



**MS310d/dn, MS312dn, MS315dn,  
MS410d/dn, MS415dn, MS510dn,  
MS610dn/dtn/de/dte, MX310dn,  
MX410de, MX510de,  
MX511de/dhe, MX610de,  
MX611de/dhe**

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**Technical Reference**

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May 2014

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# Introduction

## Overview

This edition of the *Technical Reference* contains information about the following printers or multifunction printers (MFPs):

MS310d  
 MS310dn  
 MS312dn  
 MS315dn  
 MS410d  
 MS410dn  
 MS415dn  
 MS510dn  
 MS610dn  
 MS610dtn  
 MS610de  
 MS610dte  
 MX310dn  
 MX410de  
 MX510de  
 MX511de  
 MX511dhe  
 MX610de  
 MX611de  
 MX611dhe

## Understanding letters after model numbers


Some Lexmark™ printers may have one or more letters after the model number to indicate features.

Letter	Meaning
d	Duplex*
n	Network
t	Additional tray included
x	High capacity tray
e	e-Task (touch screen device)
m	Mailbox
f	Staple finishing option
p	Staple with hole punch finisher
h	Hard disk

\* Duplex (two-sided) printing using an optional duplex unit or an internal duplex unit based on the product.

## Learning about the printer

### Finding information about the printer

What are you looking for?	Find it here
Initial setup instructions: <ul style="list-style-type: none"> <li>• Connecting the printer</li> <li>• Installing the printer software</li> </ul>	Setup documentation—The setup documentation came with the printer and is also available at <a href="http://support.lexmark.com">http://support.lexmark.com</a> .
Additional setup and instructions for using the printer: <ul style="list-style-type: none"> <li>• Selecting and storing paper and specialty media</li> <li>• Loading paper</li> <li>• Configuring printer settings</li> <li>• Viewing and printing documents and photos</li> <li>• Setting up and using the printer software</li> <li>• Configuring the printer on a network</li> <li>• Caring for and maintaining the printer</li> <li>• Troubleshooting and solving problems</li> </ul>	<i>User's Guide</i> and <i>Quick Reference Guide</i> —The guides are available at <a href="http://support.lexmark.com">http://support.lexmark.com</a> . <b>Note:</b> These guides are also available in other languages.
Information on setting up and configuring the accessibility features of your printer	<i>Lexmark Accessibility Guide</i> —This guide is available at <a href="http://support.lexmark.com">http://support.lexmark.com</a> .
Help using the printer software	Windows or Mac Help—Open a printer software program or application, and then click <b>Help</b> .  Click  to view context-sensitive information.  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Help is automatically installed with the printer software.</li> <li>• The printer software is located in the printer program folder or on the desktop, depending on your operating system.</li> </ul>
The latest supplemental information, updates, and customer support: <ul style="list-style-type: none"> <li>• Documentation</li> <li>• Driver downloads</li> <li>• Live chat support</li> <li>• E-mail support</li> <li>• Voice support</li> </ul>	Lexmark support Web site— <a href="http://support.lexmark.com">http://support.lexmark.com</a> <b>Note:</b> Select your country or region, and then select your product to view the appropriate support site. Support telephone numbers and hours of operation for your country or region can be found on the support Web site or on the printed warranty that came with your printer. Record the following information (located on the store receipt and at the back of the printer), and have it ready when you contact customer support so that they may serve you faster: <ul style="list-style-type: none"> <li>• Machine Type number</li> <li>• Serial number</li> <li>• Date purchased</li> <li>• Store where purchased</li> </ul>
Warranty information	Warranty information varies by country or region: <ul style="list-style-type: none"> <li>• <b>In the U.S.</b>—See the Statement of Limited Warranty included with this printer, or go to <a href="http://support.lexmark.com">http://support.lexmark.com</a>.</li> <li>• <b>In other countries and regions</b>—See the printed warranty that came with this printer.</li> </ul>

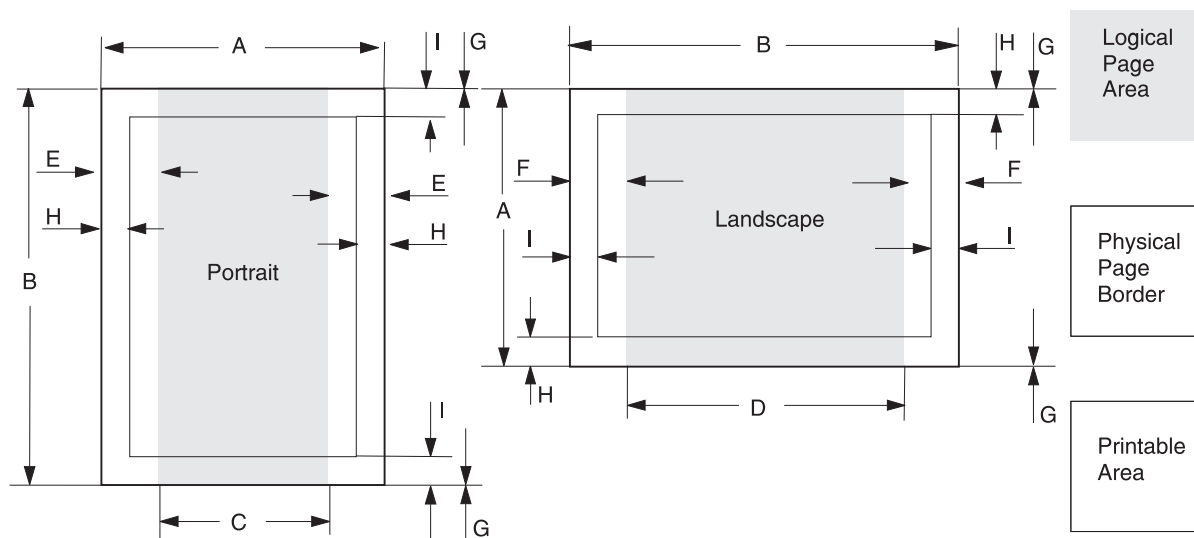
# Printer Control Language (PCL) page formatting

For more information on PCL, see the *Printer Languages and Interfaces Technical Reference*. It contains a complete listing with descriptions of PCL commands.

To determine which PCL commands your printer supports, see [“Appendix A: PCL support” on page 21](#).

## Printable areas

The printable areas and logical pages for PCL emulation (both portrait and landscape orientation) are illustrated below. See the legend that follows for definitions of areas **A** through **I**.



Legend:	
<b>A</b>	Portrait physical page width and landscape physical page length
<b>B</b>	Portrait physical page length and landscape physical page width
<b>C</b>	Portrait logical page width
<b>D</b>	Landscape logical page width
<b>E</b>	Distance between the side edge of the physical page and the logical page in portrait
<b>F</b>	Distance between the side edge of the physical page and the logical page in landscape
<b>G</b>	Distance between the top and bottom edge of the physical page and logical page
<b>H</b>	Distance between the left and right edge of the physical page and the printable area in portrait, or distance between the top and bottom edge of the physical page and printable area in landscape
<b>I</b>	Distance between the top and bottom edge of the physical page and the printable area in portrait, or distance between the left and right edge of the physical page and the printable area in landscape

**Note:** The tables that follow in this chapter list the page sizes and dimensions of each area labeled on the preceding diagram for all paper and envelope sizes your printer supports.

## Supported paper and envelope dimensions

The following table lists the page sizes and print area dimensions for all supported paper and envelope sizes. For more information about the printable areas and logical pages for PCL emulation, see [“Printable areas” on page 7](#).

Selection		Paper/envelope dimensions		Dimensions by area (pels) <sup>1</sup>								
Page size parameters <sup>2</sup>	Name	mm	inches	A	B	C	D	E	F	G	H	I
<b>Paper</b>												
2, 602	Letter	216 x 279	8.5 x 11	5100	6600	4800	6360	150	120	0	100	100
3, 603	Legal	216 x 356	8.5 x 14	5100	8400	4800	8160	150	120	0	100	100
12, 45, 612	JIS B5	182 x 257	7.2 x 10.1	4300	6070	4000	5830	150	120	0	100	100
26, 626	A4 (198 mm) <sup>3</sup>	210 x 297	8.3 x 11.7	4960	7014	4676	6778	142	118	0	80	100
26, 626	A4 (203 mm) <sup>3</sup>	210 x 297	8.3 x 11.7	4960	7014	4800	6778	80	118	0	80	100
1, 601	Executive	184.2 x 266.7	7.25 x 10.5	4350	6300	4050	6060	150	120	0	100	100
13, 613	A5	148 x 210	5.83 x 8.27	3496	4960	3196	4720	142	118	0	100	100
300	Oficio (México)	215.9 x 340.4	8.5 x 13.4	5100	8040	4800	7800	150	120	0	100	100
4 or 10	Folio	216 x 330	8.5 x 13	5100	7800	4800	7560	150	120	0	100	100
15	Statement	139.7 x 215.9	5.5 x 8.5	3300	5100	3000	4860	150	120	0	100	100
24	A6	105 x 148	4.13 x 5.83	2480	3496	2196	3260	142	118	0	100	100
101	Universal <sup>4</sup>	216 x 355.6	8.5 x 14	5100	8400	4800	8160	150	120	0	100	100
<b>Envelope</b>												
80	7 3/4 Envelope	98.4 x 190.5	3.875 x 7.5	2324	4500	2024	4260	150	120	0	100	100
89	9 Envelope	98.4 x 225.4	3.875 x 8.875	2324	5324	2024	5084	150	120	0	100	100
81	10 Envelope	104.8 x 241.3	4.125 x 9.5	2474	5700	2174	5460	150	120	0	100	100
90	DL Envelope	220 x 110	8.66 x 4.33	2598	5196	2314	4960	142	118	0	100	100
91	C5 Envelope	229 x 162	9.02 x 6.38	3826	5408	3542	5172	142	118	0	100	100
99 <sup>5</sup> , 100	B5 Envelope	176.0 x 250.0	6.93 x 9.84	4156	5904	3872	5668	142	118	0	100	100
600	Other Envelope	229.11 x 355.6	9.02 x 14.0	5100	8400	4800	8160	150	120	0	100	100

<sup>1</sup> Pel dimensions are for 600 dpi.

<sup>2</sup> For more information, see the Page Control table in the PCL chapter of the *Printer Language and Interfaces Technical Reference*.

<sup>3</sup> The width of the logical page can be changed from the control panel or your application.

<sup>4</sup> Supports two-sided printing if size length is between 11 inches (279.4 mm) and 14 inches (355.6 mm); and the width is between 8.27 inches (210 mm) and 8.5 inches (215.9 mm). Area dimensions for this paper are listed in pel ranges.

<sup>5</sup> Paper ID 99 is supported for backward compatibility with other Lexmark printers. It has the same logical paper size as ID 100 (compatible with HP LaserJet 5Si/5SiMx) but is 8 pels wider than the Lexmark 4039.

**Note:** The explanation of the printable area assumes that the Print Area menu item is set to **Normal**. For more information, see "Print Area Menu Item" in the PCL chapter of the *Printer Language and Interfaces Technical Reference*.



## Printer Job Language (PJM)

### PJM commands information

Your printer supports complete PJM commands, including certain commands that cause the printer to enter PCL emulation, PostScript emulation, and Personal Printer Data Stream (PPDS).

For a complete listing with descriptions of PJM commands, see the *Printer Languages and Interfaces Technical Reference*.

To determine which commands your printer supports, see [“Appendix B: PJM support” on page 30](#).

## PostScript (PS) emulation

Your printer supports complete PS emulation supplemental operators. For detailed descriptions of these operators, see the PS emulation chapter of the *Printer Languages and Interfaces Technical Reference*.

To determine which commands your printer supports, see [“Appendix C: PostScript support” on page 87](#).

### Supported paper sizes

✓ = Supported X = Not supported Paper sizes					Printer model		
Size	Literal name	Size (mm)	Size (in.)	Size (points)	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
11 x 17	11 x 17	279.4 x 431.8	11 x 17	792 x 1224	X	X	X
17 x 11	ledger	431.8 x 279.4	17 x 11	1224 x 792	X	X	X
A3	a3	297 x 420	11.7 x 16.54	842 x 1191	X	X	X
A4	a4	210.0 x 297.0	8.3 x 11.7	595 x 842	✓	✓	✓
A5	a5	148.0 x 210.0	5.83 x 8.27	419 x 595	✓	✓	✓
A6	a6	105.0 x 148.0	4.13 x 5.83	297 x 419	✓	✓	✓
Executive	executivepage	184.2 x 266.7	7.25 x 10.5	522 x 756	✓	✓	✓
Folio	folio	215.9 x 330.2	8.5 x 13.0	612 x 936	✓	✓	✓
JIS B4	b4 <sup>1</sup>	257 x 364	10.12 x 14.33	729 x 1032	X	X	X
JIS B5	b5 <sup>1</sup>	182.0 x 257.0	7.2 x 10.1	516 x 729	✓	✓	✓
Legal	legal	215.9 x 355.6	8.5 x 14.0	612 x 1008	✓	✓	✓
Letter	letter	215.9 x 279.4	8.5 x 11.0	612 x 792	✓	✓	✓
Oficio	oficio	215.9 x 340.4	8.5 x 13.4	612 x 965 <sup>2</sup> 612 x 972 <sup>3</sup>	✓	✓	✓
Statement	statement	139.7 x 215.9	5.5 x 8.5	396 x 612	✓	✓	✓
Universal		216 x 355.6	8.5 x 14	612 x 1008	✓	✓	✓

<sup>1</sup> This is a Japanese Industry Standard (JIS) paper size. The same named designation is used by the JIS and International Organization for Standardization (ISO) for different paper sizes.

<sup>2</sup> This is a Lexmark-unique paper size.

<sup>3</sup> This is an official PostScript paper size.

## PostScript paper tray support

When the printer receives one of the operators listed in [“Tray selected with tray operators” on page 11](#), it performs the actions listed in this section. This paper tray selection process ends when a suitable paper source is chosen and paper is fed from that source.

- The printer checks the value of **manualfeed** in **statusdict** and the ManualFeed page device parameter. If either one is true, then the printer sends a message to load the requested size in the manual feeder or multipurpose feeder.
- The PageSize Policy is set to **0** by means of **setpagedevice**.
- The printer checks the paper size loaded in the current active source to determine if it matches the requested size. If the sizes match, then the paper is fed from the active source.

**Note:** The current active tray is the last source that was selected from the control panel or by the printer language.

- If the requested size and the size loaded in the active source do not match, then the sources are searched in the order defined by the Priority array in the InputAttributes dictionary in the pagedevice dictionary.
- If the requested media size is not found by the previous search, then the following search order is used:
  - Tray 1
  - Tray 2
  - Tray 3
  - Multipurpose feeder
  - Tray 4
- If the requested size cannot be located in any automatic source, then a **configurationerror** is issued and the job is flushed.

For printers that support automatic two-sided printing (duplexing):

- All papers, except custom-size paper and envelopes, are supported for duplexing in the multipurpose feeder.
- If the paper source is changed before the back side of a two-sided page prints, then a blank back page prints, the paper source changes, and the information for the back side of the page is printed on the front side of a page sent from the new paper source.

When these operators are used, it is equivalent to executing the following PostScript emulation sequence:

```
<< /PageSize [x y]/ImagingBBox null /Policies << /PageSize 0>> >>
setpagedevice
```

where **x** and **y** are the PageSize in points.

√ = Supported X = Not supported		Printer model		
Operator	Tray selected (corresponding image size is set)	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
11x17tray	Tray with 11 x 17 in.-size paper	X	X	X
a3tray	Tray with A3-size paper	X	X	X
a4tray	Tray with A4-size paper	√	√	√
a5tray	Tray with A5-size paper	√	√	√
a6tray	Tray with A6-size paper	√	√	√
b4tray	Tray with B4-size paper	X	X	X
b5tray	Tray with B5-size paper	√	√	√
customtray	Tray with custom-size paper	X	X	X
executivetray	Tray with executive-size paper	√	√	√

√ = Supported X = Not supported		Printer model		
Operator	Tray selected (corresponding image size is set)	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
foliotray	Tray with folio-size paper	√	√	√
ledgertray	Tray with ledger-size paper	√	√	√
legaltray	Tray with legal-size paper	√	√	√
lettertray	Tray with letter-size paper	√	√	√
oficiotray	Tray with oficio-size paper	√	√	√
statementtray	Tray with statement-size paper	√	√	√

## PostScript envelope size support

The literal names in [“Envelope sizes supported” on page 12](#) are also supported as operators in **userdict**. These operators change the image size but not the active paper source. Therefore, when these operators are used, part of the image may be clipped.

When these literal names are used as operators, it is equivalent to executing the following PS emulation sequence. The following example uses a 3.875 x 7.5-inch envelope.

```
<</Policies <</PageSize 7>> /PageSize [279 540]>> >>setpagedevice
```

√ = Supported X = Not supported					Printer model		
Envelope sizes							
Size name	Literal name	Size (mm)	Size (in.)	Size (points)	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
7 3/4	3.875x7.5envelope	98.4 x 190.5	3.875 x 7.5	279 x 540	√	√	√
Commercial 9	3.875x8.875envelope	98.4 x 225.4	3.875 x 8.875	279 x 639	√	√	√
Commercial 10	4.125x9.5envelope	104.8 x 241.3	4.125 x 9.5	297 x 684	√	√	√
International B5	176x250envelope	176 x 250	6.93 x 9.84	499 x 708	√	√	√
International C5	162x229envelope	162 x 229	6.38 x 9.01	459 x 649	√	√	√
International DL	110x220envelope	110 x 220	4.33 x 8.66	312 x 624	√	√	√
Other envelope	otherenvelope	296.93 x 427.48	11.69 x 16.83	842 x 1212	√	√	√

## Literal names supported

✓ = Supported X = Not Supported Literal names		Printer model		
Literal name	Compatible literal name	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
b5envelope	176x250envelope	X	X	X
c5envelope	162x229envelope	✓	✓	✓
com10envelope	4.125x9.5envelope	✓	✓	✓
dlenvelope	110x220envelope	✓	✓	✓
monarcenvelope	3.875x7.5envelope	✓	✓	✓

## PostScript envelope tray support

The envelope tray the printer selected when it receives an **envelopetray** operator is listed in [“Envelopetray operator selections” on page 14](#).

### Printer action when manualfeed is false

The printer sets the PageSize Policy to **0** if **manualfeed** in **statusdict** and the ManualFeed page device parameter are false.

The printer checks and compares source tray size settings between printer and print job data stream.

Envelope setting	Printer action
Envelope size settings match	The printer pulls the envelope.
Envelope size settings do not match	The printer searches sources in the order defined by the Priority array in the InputAttributes dictionary in the pagedevice dictionary. If search cannot find the requested media size, then the following search order is used: <ul style="list-style-type: none"> <li>• Envelope feeder</li> <li>• Multipurpose feeder</li> </ul>
Requested size and type are not available from any automatic source	You are prompted to load the requested envelope size and type in the manual feed source. If the size is still not available, then a <b>configurationerror</b> is issued, and the print job is flushed.

### Printer action when manualfeed is true

The printer prompts you to load the requested size manually if **manualfeed** or **ManualFeed** is true. If no manual feed exists on the printer, then a **rangecheck** error message is issued.

These operators are equivalent to executing the following PS emulation sequence:

```
<</PageSize [x y] /ImagingBBox null /Policies<</PageSize 0>> >>
setpagedevice
```

where **x** and **y** are the PageSize in points.

✓ = Supported X = Not supported Tray operators		Printer model		
Operator	Tray selected (corresponding image size is set)	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
110x220envelopetray	Tray with 110 x 220-size envelopes	✓	✓	✓
dlenvelopetray	Tray with 110 x 220-size envelopes	✓	✓	✓
162x229envelopetray	Tray with 162 x 229-size envelopes	✓	✓	✓
c5envelopetray	Tray with 162 x 229-size envelopes	✓	✓	✓
176x250envelopetray	Tray with 176 x 250-size envelopes	✓	✓	✓
b5envelopetray	Tray with 176 x 250-size envelopes	✓	✓	✓
3.875x7.5envelopetray	Tray with 3.875 x 7.5-size envelopes	✓	✓	✓
monarcenvelopetray	Tray with 3.875 x 7.5-size envelopes	✓	✓	✓
3.875x8.875envelopetray	Tray with 3.875 x 8.875-size envelopes	✓	✓	✓
4.125x9.5envelopetray	Tray with 4.125 x 9.5-size envelopes	✓	✓	✓
com10envelopetray	Tray with 4.125 x 9.5-size envelopes	✓	✓	✓
otherenvelopetray	Tray with other size envelopes	✓	✓	✓

## Printer specifications

### Airflow requirement

The room should meet ASHRAE 62—1989 standards.

### Noise emission levels

The following measurements are in accordance with ISO 7779 and in conformance with ISO 9296.

Status	1-meter average sound pressure, dBA							
	MS310, MS312	MS315	MS410, MS415	MS510, MS610de /dn	MX310	MX410	MX510, MX511	MX610, MX611
Copy	Not applicable				54	55	56	56
Duplex Printing	52	53	54	54	52	53	54	54
Idle (Standby mode)	15	15	15	15	Inaudible			
Quiet Mode	50	50	50	51	49	50	51	50
Scan	Not applicable				55	55	55	55
Simplex Printing	53	53	54	55	53	55	56	55
Sleep/Hibernate mode	15	15	15	15	Inaudible			

**Note:** Measurements apply to 300-dpi, 600-dpi, and 1200-dpi printing.

Status	Declared sound power level, bels								
	MS310, MS312	MS315	MS410, MS415	MS510	MS610de /dn	MX310	MX410	MX510, MX511	MX610, MX611
Copy	Not applicable					6.9	7.0	7.1	7.1
Duplex Printing	6.6	6.7	6.7	6.8	6.9	6.7	6.8	6.9	6.9
Idle (Standby mode)	3.3	3.3	3.3	3.3	3.3	Inaudible			
Quiet Mode	6.4	6.4	6.5	6.5	6.5	6.3	6.4	6.5	6.5
Scan	Not applicable					7.1	7.1	7.1	7.1
Simplex Printing	6.7	6.8	6.8	6.9	7.0	6.8	6.9	7.1	7.0
Sleep/Hibernate mode	3.3	3.3	3.3	3.3	3.3	Inaudible			

**Note:** Measurements apply to 300-dpi, 600-dpi, and 1200-dpi printing.

## Electrical specifications

Printer model	Electrical specification
MS310, MS312, MS315, MS410, MS415, MS510, MS610 low-voltage models	100–127 V at 47–63Hz, nominal 90–137 V, extreme
MS310, MS312, MS315, MS410, MS415, MS510, MS610 high-voltage models	220–240 V at 47–63Hz, nominal (not available in all countries) 198–254 V, extreme
MX310, MX410, MX51x, MX61x low-voltage models	100–127 V at 50–60Hz, nominal 90–135 V, extreme
MX310, MX410, MX51x, MX61x high-voltage models	220–240 V at 50–60Hz, nominal (not available in all countries) 198–254 V, extreme

**Warning—Potential Damage:** Do not use voltage converters with printers.

## Power requirements

The following table specifies the nominal average power requirements for the base configuration, including fuser power.

### Lexmark MS310, MS312, MS315, MS410, MS415, MS510, MS610dn, and MS610de nominal average power requirements

State	MS310	MS312	MS315	MS410	MS415	MS510	MS610dn	MS610de
<b>Average power while printing continuously (Watts)</b>								
Print (simplex)	520	520	560	560	560	600	640	640
Print (duplex)	340	340	380	380	380	420	460	460
<b>Average power while idle (Watts)</b>								
Hibernate mode	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Ready mode	6.5	7	7	6	7	7	9.2	9.4
Sleep mode	3	3	3	2.5	3	2.5	2.6	3
Off	0	0	0	0	0	0	0	0
<b>Average power while copying continuously</b>								
Copy	Not applicable							
<b>Average power while scanning continuously</b>								
ADF scan	Not applicable							
<b>Typical Electricity Consumption (kWh)</b>								
Normal mode	1.7	1.6	1.7	1.8	1.8	2.1	2.3	2.4
Eco-Mode	1.6	1.5	1.5	1.7	1.6	1.9	2.1	2.2
Savings	5.9%	6%	12%	5.6%	11%	9.5%	8.7%	8.3%

### Lexmark MX310, MX410, MX51x, and MX61x nominal average power requirements

State	MX310	MX410	MX51x	MX61x
<b>Average power while printing continuously (Watts)</b>				
Print (simplex)	520	560	600	640
Print (duplex)	340	380	420	460



State	MX310	MX410	MX51x	MX61x
<b>Average power while idle (Watts)</b>				
Hibernate mode	0.4	0.4	0.4	0.4
Ready mode	11	12	14	20
Sleep mode	5	6	7	8
Off	0	0	0	0
<b>Average power while copying continuously (Watts)</b>				
Copy	540	580	620	660
<b>Average power while scanning continuously (Watts)</b>				
ADF scan	20	25	30	35
<b>Typical Electricity Consumption (kWh)</b>				
Normal mode	2.1	2.4	2.8	3.2
Eco-Mode	1.9	2.2	2.5	2.9
Savings	8.42%	9.98%	9.92%	11.64%

#### Lexmark MS310, MS312, MS315, MS410, MS415, MS510, MS610dn, and MS610de average current while printing (Ampere)

State	MS310	MS312	MS315	MS410	MS415	MS510	MS610dn	MS610de
100–110 V	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
110–127 V	7.6	7.6	7.6	7.6	7.6	7.6	7.6	8.4
220–240 V	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1

#### Lexmark MX310, MX410, MX51x, and MX61x maximum current while printing (Ampere)

State	MX310	MX410	MX51x	MX61x
110 V	8.8	8.8	8.8	9.4
120 V	7.7	7.7	7.7	8.2
230 V	4.0	4.0	4.0	4.2

## Physical specifications

#### Single-function printer dimensions (unpackaged)

Printer model	Height	Width	Depth	Weight with cartridge and imaging unit (unpackaged)
MS310	262.7 mm (10.3 in.)	399 mm (15.7 in.)	382 mm (15 in.)	14 kg (30.9 lb)
MS312	262.7 mm (10.3 in.)	399 mm (15.7 in.)	382 mm (15 in.)	14 kg (30.9 lb)
MS315	262.7 mm (10.3 in.)	399 mm (15.7 in.)	382 mm (15 in.)	14.2 kg (31.2 lb)
MS410	262.7 mm (10.3 in.)	399 mm (15.7 in.)	382 mm (15 in.)	14.1 kg (31.1 lb)
MS415	262.7 mm (10.3 in.)	399 mm (15.7 in.)	382 mm (15 in.)	14.2 kg (31.2 lb)
MS510	262.7 mm (10.3 in.)	399 mm (15.7 in.)	382 mm (15 in.)	15 kg (33.1 lb)
MS610dn	305.9 mm (12.1 in.)	399 mm (15.7 in.)	382 mm (15 in.)	15.7 kg (34.6 lb)
MS610dtn	414 mm (16.3 in.)	399 mm (15.7 in.)	382 mm (15 in.)	20.4 kg (45 lb)

Printer model	Height	Width	Depth	Weight with cartridge and imaging unit (unpacked)
MS610de	305.9 mm (12.1 in.)	399 mm (15.7 in.)	396.5 mm (15.6 in.)	16.2 kg (35.7 lb)
MS610dte	414 mm (16.3 in.)	399 mm (15.7 in.)	396.5 mm (15.6 in.)	20.9 kg (46.1 lb)

### Multifunction printer dimensions (unpacked)

Printer model	Height	Width	Depth	Weight (unpacked, no options)
MX310dn, MX410de	468 mm (18.4 in.)	399 mm (15.7 in.)	472 mm (18.6 in.)	20 kg (44 lb)
MX510de, MX511de, MX511dhe	502 mm (19.8 in.)	489 mm (19.3 in.)	452 mm (17.8 in.)	21.8 kg (48 lb)
MX510dte	610 mm (24.0 in.)	489 mm (19.3 in.)	452 mm (17.8 in.)	26.5 kg (58.4 lb)
MX610de, MX611de, MX611dhe	561 mm (22.1 in.)	489 mm (19.3 in.)	479 mm (18.9 in.)	23.6 kg (52 lb)
MX611dte	669 mm (26.3 in.)	489 mm (19.3 in.)	479 mm (18.9 in.)	28.3 kg (62.4 lb)

### Dimensions of the MS310, MS312, MS315, MS410, MS415, MS510, MS610, MX310, MX410, MX51x, MX61x hardware options

Option	Height	Width	Depth	Weight
Footprint		389 mm (15.3 in.)	382 mm (15 in.)	
<b>Input options</b>				
550-sheet tray	109 mm (4.3 in.)	389 mm (15.3 in.)	382 mm (15 in.)	4.7 kg (10.4 lb)
250-sheet tray	77 mm (3 in.)	389 mm (15.3 in.)	382 mm (15 in.)	4.2 kg (9.3 lb)
<b>Furniture options</b>				
Adjustable printer stand	584.2 mm (23 in.)	596.9 mm (23.5 in.)	596.9 mm (23.5 in.)	25 kg (55 lb)
Swivel cabinet (for MS310, MS312, MS315, MS410, MS415, MS510, MS610 only)	263 mm (10.4 in.)	476 mm (18.7 in.)	600 mm (23.6 in.)	21.8 kg (48 lb)
<b>Output option</b>				
Stapler (for MX61x only)*	195 mm (7.7 in.)	409 mm (16.1 in.)	371.5 mm (14.6 in.)	24.9 kg (55 lb)
* Stapler adds 2.5 inches to the depth of the printer.				

## Clearance requirements

**Note:** These clearance values are for the most compact operating configuration of the product. Additional clearance (especially from the front) may be needed to utilize the multipurpose feeder, clear paper misfeed, lift the scanner lid (for MFPs only), or replace toner and imaging unit.

### Clearance requirements for the SFP

Printer model	Left side	Right side	Front	Rear	Top
MS310, MS312, MS315, MS410, MS415, MS510, MS610	65 mm (2.56 in.)	110 mm (4.33 in.)	305 mm (12 in.)	100 mm (3.94 in.)	305 mm (12 in.)

**Clearance requirements for the MFP**

Printer model	Left side	Right side	Front	Rear	Top
MX310, MX410	65 mm (2.56 in.)	110 mm (4.33 in.)	304.8 mm (12 in.)	100 mm (3.94 in.)	243.8 mm (9.6 in.)
MX510, MX511	65 mm (2.56 in.)	110 mm (4.33 in.)	304.8 mm (12 in.)	100 mm (3.94 in.)	228.6 mm (9.0 in.)
MX610, MX611	70 mm (2.76 in.)	110 mm (4.33 in.)	304.8 mm (12 in.)	100 mm (3.94 in.)	228.6 mm (9.0 in.)

**Environmental conditions**

**Note:** When shipping or storing printers, always pack the printer supplies (such as cartridges and photoconductors) separately.

**Printer air and wet bulb temperature ranges**

Printer model	Air temperature		Wet bulb temperature	
	Product operating	Product power off	Product operating	Product power off
MS310, MS312, MS315, MS410, MS415, MS510, MS610	15.6–32.20°C (60–90°F)	10–43.30°C (50–110°F)	22.80°C (73°F) Maximum	26.70°C (80.10°F) Maximum
MX310, MX410, MX51x, MX61x	15.6–32.20°C (60–90°F)	10–43.30°C (50–110°F)	22.80°C (73°F) Maximum	26.70°C (80.10°F) Maximum

**Printer humidity ranges**

Printer model	Air relative humidity (RH)
MS310, MS312, MS315, MS410, MS415, MS510, MS610	8–80%
MX310, MX410, MX51x, MX61x	8–80%

**Ambient operating environment values**

Printer model	Ambient operating environment
MS310, MS312, MS315, MS410, MS415, MS510, MS610	16–32°C (60 to 90°F) 8–80% RH
MX310, MX410, MX51x, MX61x	16–32°C (60 to 90°F) 8–80% RH

**Shipping and storage ranges for cartridge or imaging unit**

Printer model	Shipping and storage value (cartridge or imaging unit)	
	Short-Term Shipping	Long-Term Storage*
MS310, MS312, MS315, MS410, MS415, MS510, MS610	-40 to 43.3°C (-40 to 110°F)	2–35°C (34 to 95°F) 8–80% RH
MX310, MX410, MX51x, MX61x	-40 to 43.3°C (-40 to 110°F)	2–35°C (34 to 95°F) 8–80% RH

\* Shelf life of supplies is approximately two years. This shelf life estimate is based on storage in standard office environment at 22.2°C (72°F) and 45% humidity.

**Shock specification**

Printer model	Specification
MS310, MS312, MS315, MS410, MS415, MS510, MS610	Withstand a drop from 3 cm height (print quality not guaranteed).
MX310, MX410, MX51x, MX61x	Withstand a drop from 3 cm height (print quality not guaranteed).

**Altitude and atmospheric pressure specifications****Altitude specifications**

Altitude		
Printer model	Operating	Shipping and storage
MS310, MS312, MS315, MS410, MS415, MS510, MS610	0–2896 m (9500 ft)	0–10300 m (34000 ft)
MX310, MX410, MX51x, MX61x	0–2896 m (9500 ft)	0–10300 m (34000 ft)

**Atmospheric pressure specifications**

Atmospheric pressure	
Printer model	Value
MS310, MS312, MS315, MS410, MS415, MS510, MS610	74.6 kPa
MX310, MX410, MX51x, MX61x	74.6 kPa

## Appendix A: PCL support

### PCL emulation commands

✓ = Supported X = Not supported		Printer model		
Command	Function	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Decimal 8	Backspace (BS)	✓	✓	✓
Decimal 9	Horizontal Tab (HT)	✓	✓	✓
Decimal 10	Line Feed (LF)	✓	✓	✓
Decimal 12	Form Feed (FF)	✓	✓	✓
Decimal 13	Carrier Return (CR)	✓	✓	✓
Decimal 14	Select Secondary Font (SO)	✓	✓	✓
Decimal 15	Select Primary Font (SI)	✓	✓	✓
Decimal 32	Space (SP)	✓	✓	✓
ESC <sub>E</sub>	Printer Reset	✓	✓	✓
ESC <sub>Y</sub>	Display Functions On	✓	✓	✓
ESC <sub>Z</sub>	Display Functions Off	✓	✓	✓
ESC <sub>Z</sub>	Print Test Page	X	X	X
ESC <sub>&amp;a#C</sub>	Set Horizontal Cursor Position (Column Number)	✓	✓	✓
ESC <sub>&amp;a#G</sub>	Duplex Page Side Selection	✓	✓	✓
ESC <sub>&amp;a#H</sub>	Set Horizontal Cursor Position (in Decipoints)	✓	✓	✓
ESC <sub>&amp;a#L</sub>	Set Left Margin	✓	✓	✓
ESC <sub>&amp;a#M</sub>	Set Right Margin	✓	✓	✓
ESC <sub>&amp;a#N</sub>	Negative Motion	X	X	X
ESC <sub>&amp;a#P</sub>	Print Direction	✓	✓	✓
ESC <sub>&amp;a#R</sub>	Set Vertical Cursor Position (Row Number)	✓	✓	✓
ESC <sub>&amp;a#V</sub>	Set Vertical Cursor Position (in Decipoints)	✓	✓	✓
ESC <sub>&amp;b#M</sub>	Monochrome Print Mode	✓	✓	✓
ESC <sub>&amp;b#W[data]</sub>	Key / Value Pair	X	X	X

✓ = Supported X = Not supported		Printer model		
Command	Function	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
ESC&c#T	Character Text Path Direction	✓	✓	✓
ESC&d@	Disable Underline	✓	✓	✓
ESC&d#A	Collation - Collated Copies (QTY)	✓	✓	✓
ESC&d#D	Select Underline Type	✓	✓	✓
ESC&f#F	Set Universal Height	✓	✓	✓
ESC&f#G	Set Universal Width	✓	✓	✓
ESC&f#O	Set Universal Feed Direction	✓	✓	✓
ESC&f#W	Set Universal Custom Name	✓	✓	✓
ESC&f#S	Push/Pop Cursor	✓	✓	✓
ESC&f#X	Macro Control	✓	✓	✓
ESC&f#Y	Set Macro ID	✓	✓	✓
ESC&k#G	Set Line Termination	✓	✓	✓
ESC&k#H	Set Horizontal Motion Index (HMI)	✓	✓	✓
ESC&k#S	Select Primary and Secondary Pitch	✓	✓	✓
ESC&k#W	Text Scale Mode	X	X	X
ESC&l#A	Set Page Size	✓	✓	✓
ESC&l#A [optional data]	Set Page Size with Custom Load Messaging	✓	✓	✓
ESC&l#C	Set Vertical Motion Index (VMI)	✓	✓	✓
ESC&l#D	Set Line Spacing	✓	✓	✓
ESC&l#E	Set Top Margin	✓	✓	✓
ESC&l#F	Set Text Length	✓	✓	✓
ESC&l#G	Set Output Bin	✓	✓	✓
ESC&l#H	Select Paper Feed	✓	✓	✓
ESC&l#L	Skip Perforation	✓	✓	✓
ESC&l#O	Select Orientation	✓	✓	✓
ESC&l#M(b)	Media Type	X	X	X

√ = Supported X = Not supported		Printer model		
Command	Function	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
ESC&l#P	Set Page Length	√	√	√
ESC&l#S	Simplex/Duplex	√	√	√
ESC&l1T	Job Separation	X	X	X
ESC&l#U	Left (Long-Edge) Offset Registration	√	√	√
ESC&l#X	Set Copy Count	√	√	√
ESC&l#Z	Top (Short-Edge) Offset Registration	√	√	√
ESC&n#W [operation] [string id]	Alphanumeric ID	√	√	√
ESC&p#C	Palette Control	√	√	√
ESC&p#I	Palette Control ID	√	√	√
ESC&p#S	Select Palette	√	√	√
ESC&p#X[data]	Transparent Print Data	√	√	√
ESC&r#F	Flush All Pages	√	√	√
ESC&s#C	End-Of-Line Text Wrap	√	√	√
ESC&t#P	Text Parsing Method	√	√	√
ESC&u#D	Unit of Measure	√	√	√
ESC(#	Select Symbol Set	√	√	√
ESC(#X	Select Font by ID	√	√	√
ESC(3@	Select Default Primary Font	√	√	√
ESC(f#W[data]	Define Symbol Set	√	√	√
ESC(s#B	Select Stroke Weight	√	√	√
ESC(s#H	Select Pitch	√	√	√
ESC(s#P	Select Spacing	√	√	√
ESC(s#S	Select Style	√	√	√
ESC(s#T	Select Typeface	√	√	√
ESC(s#V	Select Point Size	√	√	√
ESC(s#W[data]	Load Character	√	√	√
ESC)#	Secondary Font Symbol Set	√	√	√

√ = Supported X = Not supported		Printer model		
Command	Function	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
ESC)#X	Select Secondary Download Font (by Font ID)	√	√	√
ESC)3@	Select Default Secondary Font	√	√	√
ESC)s#B	Secondary Font Stroke Weight	√	√	√
ESC)s#H	Secondary Font Pitch	√	√	√
ESC)s#P	Secondary Font Spacing	√	√	√
ESC)s#S	Secondary Font Style	√	√	√
ESC)s#T	Secondary Font Typeface Selection	√	√	√
ESC)s#V	Secondary Font Height (Point Size)	√	√	√
ESC)s#W[data]	Load Font Header	√	√	√
ESC*b#M	Set Raster Compression Mode	√	√	√
ESC*b#V[data]	Transfer Raster Data (Plane)	√	√	√
ESC*b#W[data]	Transfer Raster Data (Row/Block)	√	√	√
ESC*b#Y	Y Offset	√	√	√
ESC*c#A	Horizontal Rectangle Size (in PCL Units)	√	√	√
ESC*c#B	Vertical Rectangle Size (in PCL Units)	√	√	√
ESC*c#D	Set Font ID	√	√	√
ESC*c#E	Set Character Code	√	√	√
ESC*c#F	Font Control	√	√	√
ESC*c#G	Area Fill ID	√	√	√
ESC*c#H	Horizontal Rectangle Size (in Decipoints)	√	√	√
ESC*c#K	Horizontal Plot Size (in Inches)	√	√	√
ESC*c#L	Vertical Plot Size (in Inches)	√	√	√
ESC*c#P	Fill Rectangular Area	√	√	√
ESC*c#Q	Pattern Control	√	√	√
ESC*c#R	Symbol Set ID Code	√	√	√



✓ = Supported X = Not supported		Printer model		
Command	Function	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
ESC*c#S	Symbol Set Control	✓	✓	✓
ESC*cOT	Set Picture Frame Anchor Point	✓	✓	✓
ESC*c#V	Vertical Rectangle Size (in Decipoints)	✓	✓	✓
ESC*c#W[data]	Define Pattern	✓	✓	✓
ESC*c#X	Picture Frame Horizontal Size (in Decipoints)	✓	✓	✓
ESC*c#Y	Picture Frame Vertical Size (in Decipoints)	✓	✓	✓
ESC* <i>l</i> #O	Logical Operation	✓	✓	✓
ESC* <i>l</i> #R	Pixel Placement	✓	✓	✓
ESC* <i>l</i> #W[data]	Color Lookup Tables	X	X	X
ESC*m#W[data]	Download Dither Matrix	✓	✓	✓
ESC*o#M(b)	Print Quality	X	X	X
ESC*o#Q	Mechanical Print Quality	X	X	X
ESC*o#W[data]	Driver Configuration	✓	✓	✓
ESC*p#P	Push/Pop Palette	✓	✓	✓
ESC*p#R	Set Pattern Reference Point	✓	✓	✓
ESC*p#X	Set Horizontal Cursor Position (in PCL Units)	✓	✓	✓
ESC*p#Y	Set Vertical Cursor Position (in PCL Units)	✓	✓	✓
ESC*r#A	Start Raster Graphics	✓	✓	✓
ESC*r#F	Raster Graphics Presentation	✓	✓	✓
ESC*r#S	Raster Width (Source)	✓	✓	✓
ESC*r#T	Raster Height (Source)	✓	✓	✓
ESC*r#U	Simple Color	✓	✓	✓
ESC*rB	End Raster Graphics (Version B)	✓	✓	✓
ESC*rC	End Raster Graphics (Version C)	✓	✓	✓
ESC*s#I	Inquire Status Readback Entity	✓	✓	✓
ESC*s1M	Free Space	✓	✓	✓

√ = Supported X = Not supported		Printer model		
Command	Function	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
ESC*s#T	Set Status Readback Location Type	√	√	√
ESC*s#U	Set Status Readback Location Unit	√	√	√
ESC*s#X	Echo	√	√	√
ESC*t#H	Raster Width (Destination)	√	√	√
ESC*t#I	Gamma Correction	√	√	√
ESC*t#J	Render Algorithm	X	X	X
ESC*t#K	Scale Algorithm	X	X	X
ESC*t#R	Set Resolution	√	√	√
ESC*t#V	Raster Height (Destination)	√	√	√
ESC*g#W	Set Raster Configuration	X	X	X
ESC*v#A	Color Component One	√	√	√
ESC*v#B	Color Component Two	√	√	√
ESC*v#C	Color Component Three	√	√	√
ESC*v#I	Assign Color Index	√	√	√
ESC*v#N	Source Transparency Mode	√	√	√
ESC*v#O	Pattern Transparency Mode	√	√	√
ESC*v#S	Foreground Color	√	√	√
ESC*v#T	Select Current Pattern	√	√	√
ESC*v#W[data]	Configure Image Data	√	√	√
ESC*i#W[data]	Viewing Illuminant	X	X	X
ESCg	Clear Horizontal Margins	√	√	√
ESC=	Half Line-Feed	√	√	√
ESC%#A	Enter HP PCL 5 Mode	√	√	√
ESC%#B	Enter HP-GL/2 Mode <b>Note:</b> The values -1, 2, and 3 are not supported by any of the printers included in this document.	√	√	√
ESC%-12345X	Universal Exit Language (UEL) / Start of PJJ	√	√	√

## GL/2 commands

√ = Supported X = Not supported		Printer model		
Command	Function	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
AA	Arc Absolute	√	√	√
AC	Anchor Corner	√	√	√
AD	Define Alternate Font	√	√	√
AR	Arc Relative	√	√	√
AT	Arc Absolute Three Point	√	√	√
BR	Bezier Relative	√	√	√
BZ	Bezier Absolute	√	√	√
CF	Character Fill	√	√	√
CI	Circle	√	√	√
CO	Comment	√	√	√
CP	Character Plot	√	√	√
CR	Color Range	√	√	√
DF	Default	√	√	√
DI	Absolute Direction	√	√	√
DR	Relative Direction	√	√	√
DT	Define Label Terminator	√	√	√
DV	Define Variable Text Path	√	√	√
EA	Edge Rectangle Absolute	√	√	√
EP	Edge Polygon	√	√	√
ER	Edge Rectangle Relative	√	√	√
ES	Extra Space	√	√	√
EW	Edge Wedge	√	√	√
FI	Primary Font	√	√	√
FN	Secondary Font	√	√	√
FP	Fill Polygon, Odd/Even	√	√	√
FP	Fill Polygon, Non-Zero Winding	√	√	√

√ = Supported X = Not supported		Printer model		
Command	Function	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
FT	Fill Type	√	√	√
FT	Fill Type - 22	√	√	√
FT	Fill Type - 9	√	√	√
IN	Initialize	√	√	√
IP	Input P1 and P2	√	√	√
IR	Input Relative P1 and P2	√	√	√
IW	Input Window	√	√	√
LA	Line Attributes	√	√	√
LB	Label, Default Terminator = '03'x	√	√	√
LO	Label Origin	√	√	√
LO	Uses PCL Label Origin	√	√	√
LT	Line Type	√	√	√
LM	Label Mode	x	x	x
MC	Logical Operation	√	√	√
NP	Number of Pens	√	√	√
PA	Plot Absolute	√	√	√
PC	Pen Color	√	√	√
PD	Pen Down	√	√	√
PE	Polyline Encoded	√	√	√
PM	Polygon Mode	√	√	√
PP	Pixel Placement	√	√	√
PR	Plot Relative	√	√	√
PU	Pen Up	√	√	√
PW	Pen Width	√	√	√
RA	Fill Rectangle Absolute	√	√	√
RF	Define Raster Fill	√	√	√
RO	Rotate Coordinate System	√	√	√

√ = Supported X = Not supported		Printer model		
Command	Function	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
RR	Fill Rectangle Relative	√	√	√
RT	Arc Relative Three Point	√	√	√
SA	Select Alternate Font	√	√	√
SB	Scalable/Bitmapped Fonts	√	√	√
SC	Scale	√	√	√
SD	Define Standard Font	√	√	√
SI	Absolute Character Size	√	√	√
SL	Character Slant	√	√	√
SM	Symbol Mode	√	√	√
SP	Select Pen	√	√	√
SR	Relative Character Size	√	√	√
SS	Select Standard Font	√	√	√
SV	Screened Vectors	√	√	√
SV	Screened Vectors - 9, level	√	√	√
TD	Transparent Data	√	√	√
TM	Threshold Matrix	√	√	√
TR	Transparency Mode	√	√	√
UL	User Defined Line	√	√	√
WG	Fill Wedge	√	√	√
WU	Pen Width Units	√	√	√

## Appendix B: PjL support

### Common variables for both printer languages

Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
AUTOCONT	✓	✓	✓
AUTOSELECT	x	x	x
BINDING	✓	✓	✓
BITSPERPIXEL	✓	✓	✓
CLEARABLEWARNINGS	✓	✓	✓
CONTEXTSWITCH	x	x	x
COPIES	✓	✓	✓
CPLOCK	✓	✓	✓
DENSITY	✓	✓	✓
DISKLOCK	x	x	x
DUPLEX	✓	✓	✓
ECONOMODE	✓	✓	✓
FORMATTERNUMBER	✓	✓	✓
FORMLINES	✓	✓	✓
HELDJOBTIMEOUT	✓	✓	✓
HOLD	✓	✓	✓
HOLDKEY	✓	✓	✓
HOLDTYPE	✓	✓	✓
IMAGEADAPT	x	x	x
INTRAY1	x	x	x
INTRAY2	✓	✓	✓
INTRAY3	✓	✓*	✓
INTRAY4	✓	✓*	✓
INTRAY5	x	x	x

\* This applies only to MX510 and MX511.

Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
INTRAY1SIZE	✓	✓	✓
INTRAY2SIZE	✓	✓	✓
INTRAY3SIZE	✓	✓	✓
INTRAY4SIZE	✓	✓	✓
INTRAY5SIZE	x	x	x
IOBUFFER	x	x	x
IOSIZE	x	x	x
JOBATTR	x	x	x
JOBNAME	✓	✓	✓
JBOFFSET	x	x	x
LANG	✓	✓	✓
LOWTONER	✓	✓	✓
MANUALFEED	✓	✓	✓
MEDIASOURCE	x	x	x
MEDIATYPE	✓	✓	✓
MPTRAY	✓	✓	✓
ORIENTATION	✓	✓	✓
OUTBIN	✓	✓	✓
PAGEPROTECT	✓	✓	✓
PAPER	✓	✓	✓
PARALLEL	✓	x	x
PASSWORD	✓	✓	✓
PERSONALITY	✓	✓	✓
POWERSAVE	✓	✓	✓
POWERSAVETIME	✓	✓	✓
PRINTQUALITY	x	x	x
QTY	✓	✓	✓
RENDERMODE	x	x	x

\* This applies only to MX510 and MX511.

Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
REPEATJOBTIMEOUT	✓	✓	✓
REPRINT	✓	✓	✓
RESERVEJOBTIMEOUT	✓	✓	✓
RESOLUTION	✓	✓	✓
RESOURCESAVE	✓	✓	✓
RESOURCESAVESIZE	x	x	x
RET	x	x	x
STRINGCODESET	✓	✓	✓
TIMEOUT	✓	✓	✓
USERNAME	✓	✓	✓
VERIFYJOBTIMEOUT	✓	✓	✓
WIDEA4	✓	✓	✓
* This applies only to MX510 and MX511.			

## Lexmark-unique PJI variables for both printer languages

Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
LASLOADING	✓	✓	✓
LACCESSIBILITYTIMEOUTEXTENSION	✓	✓	✓
LACTIVEBINRESET	x	x	x
LADVANCEDSTATUS	✓	x	x
LALARMCONTROL	✓	✓	✓
LAUTCRLF	✓	✓	✓
LAUTOLFCR	✓	✓	✓
LBAYERSCREENLIMIT	✓	✓	✓
LBLANKPAGES	✓	✓	✓



Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
LBONDLENGTH	X	X	X
LBONDLOADING	✓	✓	✓
LBONDOUTBIN	X	X	X
LBONDTEXTURE	✓	✓	✓
LBONDWEIGHT	✓	✓	✓
LBOTTOMMARGINOFFSET	X	X	X
LBWLOCK	X	X	X
LCANCEL	✓	✓	✓
LCARDSTOCKLENGTH	X	X	X
LCARDSTOCKLOADING	X	X	X
LCARDSTOCKOUTBIN	X	X	X
LCARDSTOCKTEXTURE	✓	✓	✓
LCARDSTOCKWEIGHT	✓	✓	✓
LCOLLATION	✓	✓	✓
LCOLORBALANCEBLACK	X	X	X
LCOLORBALANCECYAN	X	X	X
LCOLORBALANCEMAGENTA	X	X	X
LCOLORBALANCEYELLOW	X	X	X
LCOLORCORRECTION	✓	✓	✓
LCOLOREDLENGTH	X	X	X
LCOLOREDLOADING	✓	✓	✓
LCOLOREDOUTBIN	X	X	X
LCOLOREDTEXTURE	✓	✓	✓
LCOLOREDWEIGHT	✓	✓	✓
LCOLORMODEL	X	X	X
LCOLORSAVER	X	X	X
LCOLORTRAPPING	X	X	X
LCUSTOMPAPERUNITS	✓	✓	✓
LCUSTOMPAPERWIDTH	✓	✓	✓
LCUSTOMPAPERHEIGHT	✓	✓	✓

Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
LCUSTOMPAPERFEED	✓	✓	✓
LCUSTOMTYPE1LENGTH	x	x	x
LCUSTOMTYPE1LOADING	✓	✓	✓
LCUSTOMTYPE1MEDIA	✓	✓	✓
LCUSTOMTYPE1NAME	✓	✓	✓
LCUSTOMTYPE1OUTBIN	x	x	x
LCUSTOMTYPE1TEXTURE	✓	✓	✓
LCUSTOMTYPE1WEIGHT	✓	✓	✓
LCUSTOMTYPE2LENGTH	x	x	x
LCUSTOMTYPE2LOADING	✓	✓	✓
LCUSTOMTYPE2MEDIA	✓	✓	✓
LCUSTOMTYPE2NAME	✓	✓	✓
LCUSTOMTYPE2OUTBIN	x	x	x
LCUSTOMTYPE2TEXTURE	✓	✓	✓
LCUSTOMTYPE2WEIGHT	✓	✓	✓
LCUSTOMTYPE3LENGTH	x	x	x
LCUSTOMTYPE3LOADING	✓	✓	✓
LCUSTOMTYPE3MEDIA	✓	✓	✓
LCUSTOMTYPE3NAME	✓	✓	✓
LCUSTOMTYPE3OUTBIN	x	x	x
LCUSTOMTYPE3TEXTURE	✓	✓	✓
LCUSTOMTYPE3WEIGHT	✓	✓	✓
LCUSTOMTYPE4LENGTH	x	x	x
LCUSTOMTYPE4LOADING	✓	✓	✓
LCUSTOMTYPE4MEDIA	✓	✓	✓
LCUSTOMTYPE4NAME	✓	✓	✓
LCUSTOMTYPE4OUTBIN	x	x	x
LCUSTOMTYPE4TEXTURE	✓	✓	✓
LCUSTOMTYPE4WEIGHT	✓	✓	✓

Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
LCUSTOMTYPE5LENGTH	X	X	X
LCUSTOMTYPE5LOADING	✓	✓	✓
LCUSTOMTYPE5MEDIA	✓	✓	✓
LCUSTOMTYPE5NAME	✓	✓	✓
LCUSTOMTYPE5OUTBIN	X	X	X
LCUSTOMTYPE5TEXTURE	✓	✓	✓
LCUSTOMTYPE5WEIGHT	✓	✓	✓
LCUSTOMTYPE6LENGTH	X	X	X
LCUSTOMTYPE6LOADING	✓	✓	✓
LCUSTOMTYPE6MEDIA	✓	✓	✓
LCUSTOMTYPE6NAME	✓	✓	✓
LCUSTOMTYPE6OUTBIN	X	X	X
LCUSTOMTYPE6TEXTURE	✓	✓	✓
LCUSTOMTYPE6WEIGHT	✓	✓	✓
LDOWNLOADTARGET	✓	✓	✓
LDRYTIMEDELAY	X	X	X
LDUPLEXLEFTMARGINOFFSET	X	X	X
LDUPLEXTOPMARGINOFFSET	X	X	X
LDUPLICATEHELDJOBS	✓	✓	✓
LECOMODE	✓	✓	✓
LENVELOPEENHANCE	X	X	X
LENVELOPELENGTH	X	X	X
LENVELOPEOUTBIN	X	X	X
LENVELOPETEXTURE	✓	✓	✓
LENVELOPEWEIGHT	✓	✓	✓
LESCCHAR	✓	✓	✓
LFAXFOLD	X	X	X
LFAXJOBWAITFORTONER	X	✓	✓
LFAXREDIAL	X	✓	✓

Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
LFAXREDIALFREQUENCY	X	✓	✓
LFAXRESOLUTION	X	✓	✓
LFAXTRANSMISSIONLOG	X	✓	✓
LFOLD	X	X	X
LFEEDERPAPERTYPE	X	X	X
LFONTDENSITY	✓	✓	✓
LGLOSSYLOADING	X	X	X
LGLOSSYOUTBIN	X	X	X
LGLOSSYTEXTURE	X	X	X
LGLOSSYWEIGHT	X	X	X
LHEAVYGLOSSYLOADING	X	X	X
LHEAVYGLOSSYOUTBIN	X	X	X
LHEAVYGLOSSYTEXTURE	X	X	X
LHEAVYGLOSSYWEIGHT	X	X	X
LHEAVYPAPERLOADING	✓	✓	✓
LHEAVYPAPEROUTBIN	X	X	X
LHEAVYPAPERTEXTURE	✓	✓	✓
LHEAVYPAPERWEIGHT	✓	✓	✓
LHELDJOBPRTOORDER	✓	✓	✓
LHIBERNATETIMEOUT	✓	✓	✓
LHIBERNATETIMEOUTOVERRIDE	✓	✓	✓
LHOLEPUNCHALARM	X	X	X
LHOLEPUNCHMODE	X	X	X
LHONORINIT	✓	✓	✓
LIMAGEESS	X	X	X
LIMAGEBRIGHTNESS	✓	✓	✓
LIMAGECONTRAST	✓	✓	✓
LIMAGEENHANCE	✓	✓	✓
LIMAGEENHANCETYPE	✓	✓	✓
LIMAGEORIENTATION	✓	✓	✓

Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
LIMAGESATURATION	X	X	X
LIMAGESMOOTHING	X	X	X
LINFEDER	X	X	X
LINFEDERSIZE	X	X	X
LINKALERT	X	X	X
LINMPFEEDERSIZE	✓	✓	✓
LJAMASSIST	✓	✓	✓
LJAMRECOVERY	✓	✓	✓
LJOBPARKPERSIST	X	X	X
LJOBWAITFORSUPPLIES	X	X	✓
LLABELSLENGTH	X	X	X
LLABELSLOADING	X	X	X
LLABELSOUTBIN	X	X	X
LLABELSTEXTURE	✓	✓	✓
LLABELSWEIGHT	✓	✓	✓
LLASTTRAYRENUMBER	✓	✓	✓
LLEFTMARGINOFFSET	X	X	X
LLETTERHEADLENGTH	X	X	X
LLETTERHEADLOADING	✓	✓	✓
LLETTERHEADOUTBIN	X	X	X
LLETTERHEADTEXTURE	✓	✓	✓
LLETTERHEADWEIGHT	✓	✓	✓
LLIGHTPAPERLOADING	✓	✓	✓
LLIGHTPAPEROUTBIN	X	X	X
LLIGHTPAPERTEXTURE	✓	✓	✓
LLIGHTPAPERWEIGHT	✓	✓	✓
LLINEDETAIL	✓	✓	✓
LMANUALCOLORRGBTEXT	X	X	X
LMANUALCOLORRGBGRAPHICS	X	X	X
LMANUALCOLORRGBIMAGE	X	X	X
LMANUALCOLORCMYKTEXT	X	X	X

Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
LMANUALCOLORCMYKGRAPHICS	X	X	X
LMANUALCOLORCMYKIMAGE	X	X	X
LMANUALENVELOPESIZE	✓	✓	✓
LMANUALENVELOPETYPE	✓	✓	✓
LMANUALPAPERSIZE	✓	✓	✓
LMANUALPAPERTYPE	✓	✓	✓
MICRJOB	✓	✓	✓
LMAXSTATUSMSG	X	X	X
LMPFEEDERPAPERTYPE	✓	✓	✓
LMPFEEDERRENUMBER	✓	✓	✓
LMULTIPAGEBORDER	✓	✓	✓
LMULTIPAGEORDER	✓	✓	✓
LMULTIPAGEPRINT	✓	✓	✓
LMULTIPAGEVIEW	✓	✓	✓
LNPAP	✓	✓	✓
LOPTIONALOUTBIN1NAME	X	X	X
LOPTIONALOUTBIN2NAME	X	X	X
LOPTIONALOUTBIN3NAME	X	X	X
LOPTIONALOUTBIN4NAME	X	X	X
LOPTIONALOUTBIN5NAME	X	X	X
LOPTIONALOUTBIN6NAME	X	X	X
LOPTIONALOUTBIN7NAME	X	X	X
LOPTIONALOUTBIN8NAME	X	X	X
LOPTIONALOUTBIN9NAME	X	X	X
LOPTIONALOUTBIN10NAME	X	X	X
LOUTBINCONFIG	X	X	X
LOVERFLOWOUTBIN	X	X	X
LOVERFLOWTIMER	X	X	X
LPAGECOUNT	✓	✓	✓
LPAGEMODE	✓	✓	✓

Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
LPAGESREMAININGDISPLAY	✓	✓	✓
LPAPERSOURCE	✓	✓	✓
LPICTUREGRADE	x	x	x
LPLAINLENGTH	x	x	x
LPLAINOUTBIN	x	x	x
LPLAINTEXTURE	✓	✓	✓
LPLAINWEIGHT	✓	✓	✓
LPOWERSAVER	✓	✓	✓
LPPDS	✓	✓	✓
LPPDSFORMLINES	✓	✓	✓
LPPDSLINESPERINCH	✓	✓	✓
LPREPRINTEDLENGTH	x	x	x
LPREPRINTEDLOADING	✓	✓	✓
LPREPRINTEDOUTBIN	x	x	x
LPREPRINTEDTEXTURE	✓	✓	✓
LPREPRINTEDWEIGHT	✓	✓	✓
LPRINTBUFFER	✓	✓	✓
LPRINTSCREENS	✓	✓	✓
LPRINTHEADIDLETIME	✓	✓	✓
LPRINTERUSAGE	x	x	x
LPRINTMENUBUTTON	x	x	x
LPRINTQUALITY	x	x	x
LPUNCH	x	x	x
LQUIETMODE	✓	✓	✓
LREAROUTBINNAME	x	x	x
LRECYCLEDLOADING	✓	✓	✓
LRECYCLEDMEDIA	✓	✓	✓
LRECYCLEDOUTBIN	x	x	x
LRECYCLEDTEXTURE	✓	✓	✓

Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
LRECYCLEDWEIGHT	✓	✓	✓
LREPEATPRINTLIMIT	✓	✓	✓
LRESET	✓	✓	✓
LRESOURCESAVE	✓	✓	✓
LRIGHTMARGINOFFSET	x	x	x
LROUGHENVELOPELOADING	x	x	x
LROUGHENVELOPEOUTBIN	x	x	x
LROUGHENVELOPETEXTURE	✓	✓	✓
LROUGHENVELOPEWEIGHT	✓	✓	✓
LROUGHPPAPERLOADING	x	x	x
LROUGHPPAPEROUTBIN	x	x	x
LROUGHPPAPERTEXTURE	✓	✓	✓
LROUGHPPAPERWEIGHT	✓	✓	✓
LSCREENING	x	x	x
LSEPARATORSHEETS	✓	✓	✓
LSEPARATORSOURCE	✓	✓	✓
LSMALLFONTENHANCER	✓	✓	✓
LSSGALVO	x	x	x
LSTANDARDOUTBINNAME	✓	✓	✓
LSTAPLE	x	x	✓
LSTAPLEEMPTYALARM	x	x	✓
LSTAPLETESTBIN	x	x	x
LSTAPLETESTSOURCE	x	x	x
LSTROKEWIDTH	x	x	x
LSUBSTITUTESIZE	✓	✓	✓
LTOPBINROTATE	x	✓	✓
LTOPMARGINOFFSET	x	x	x
LTRANSPARENCYLENGTH	x	x	x
LTRANSPARENCYOUTBIN	x	x	x
LTRANSPARENCYTEXTURE	✓	✓	✓



Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
LTRANSPARENCYWEIGHT	✓	✓	✓
LTRAY1AUTOSIZE	X	X	X
LTRAY2AUTOSIZE	X	X	X
LTRAY3AUTOSIZE	X	X	X
LTRAY4AUTOSIZE	X	X	X
LTRAY5AUTOSIZE	X	X	X
LTRAY1PAPERTYPE	✓	✓	✓
LTRAY2PAPERTYPE	✓	✓	✓
LTRAY3PAPERTYPE	✓	✓	✓
LTRAY4PAPERTYPE	✓	✓	✓
LTRAY5PAPERTYPE	X	X	X
LTRAY1RENUMBER	✓	✓	✓
LTRAY1SENSEDTYPEPAPER	X	X	X
LTRAY1SENSEDTYPETRANSARENCY	X	X	X
LTRAY2SENSEDTYPEPAPER	X	X	X
LTRAY2SENSEDTYPETRANSARENCY	X	X	X
LTRAY3SENSEDTYPEPAPER	X	X	X
LTRAY3SENSEDTYPETRANSARENCY	X	X	X
LTRAY4SENSEDTYPEPAPER	X	X	X
LTRAY4SENSEDTYPETRANSARENCY	X	X	X
LTRAYINSERTMESSAGEDELAY	X	X	X
LTYPE1FONTS	✓	✓	✓
LUSDEFAULTS	✓	✓	✓
LVINYLLABELSLOADING	X	X	X
LVINYLLABELSOUTBIN	X	X	X
LVINYLLABELSTEXTURE	X	X	X
LVINYLLABELSWEIGHT	X	X	X
LWRITECOVERAGE	✓	✓	✓

## Common variables for PCL emulation

Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
FONTNUMBER	✓	✓	✓
FONTSOURCE	✓	✓	✓
PITCH	✓	✓	✓
PTSIZE	✓	✓	✓
SYMSET	✓	✓	✓

## Lexmark-unique variables for PCL emulation

Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
LA4WIDTH	✓	✓	✓
LASSIGNFEEDER	x	x	x
LASSIGNMANUALENVELOPE	✓	✓	✓
LASSIGNMANUALPAPER	✓	✓	✓
LASSIGNMPFEEDER	✓	✓	✓
LASSIGNTRAY1	✓	✓	✓
LASSIGNTRAY2	✓	✓	✓
LASSIGNTRAY3	✓	✓	✓
LASSIGNTRAY4	✓	✓	✓
LASSIGNTRAY5	x	x	x
LBITMAPROUNDING	✓	✓	✓
LCOLOREXTENSIONS	✓	✓	✓
LFONTCOMPATIBILITY	✓	✓	✓
LFONTPRIORITY	✓	✓	✓

## Common variables for PostScript emulation

Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
ADOBEMBT	X	X	X
JAMRECOVERY	✓	✓	✓
PRTPSERRS	✓	✓	✓

## Lexmark-unique variables for PostScript emulation

Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
LPICTUREGRADE	X	X	X
LPSFONTPRIORITY	✓	✓	✓

## Lexmark-unique LRESOURCE variables

Variable name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
LDESCRIPTION	✓	✓	✓
LRWLOCK	✓	✓	✓
LWLOCK	✓	✓	✓

## Status Readback commands

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Command			
DINQUIRE	✓	✓	✓
ECHO	✓	✓	✓
INFO	✓	✓	✓
INQUIRE	✓	✓	✓
USTATUS	✓	✓	✓
USTATUSOFF	✓	✓	✓

## USTATUS unsolicited status variables

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Variable name			
DEVICE	✓	✓	✓
JOB	✓	✓	✓
PAGE	✓	✓	✓
TIMED	✓	✓	✓

## PJL messages for auto-continuable conditions

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - PPDS Font Error	30014	PPDS font error [50]	✓	✓	✓
Intervention Required - Insufficient Collation Area	30016	Insufficient Collation Area [37]	X	X	X
Intervention Required - Insufficient Defragment Memory	30016	Insufficient Defrag Memory [37]	X	X	X
Intervention Required - Insufficient Memory	30016	Insufficient memory, some Held Jobs were deleted [37]	✓	✓	✓
		Memory low, some held jobs lost [37]*	✓	X	X
Intervention Required - Insufficient Defragment Memory	30016	Insufficient memory, some Held Jobs were deleted [37]	✓	✓	✓
Intervention Required - Insufficient Defragment Memory	30016	Insufficient memory, some Held Jobs will not be restored [37]	X	X	X
Intervention Required - Insufficient Defragment Memory	30016	Insufficient memory for Flash Memory Defragment operation [37]	✓	✓	✓
		Cannot defrag flash memory [37]*	✓	X	X
Intervention Required - Insufficient Collation Area	30016	Insufficient memory to collate job [37]	✓	✓	✓
		Cannot collate large document [37]*	✓	X	X

\* This message applies only to two-line printers.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Memory Full	30016	Memory full [38]	✓	✓	✓
Intervention Required - Configuration Change	30016	Configuration Change [57]	X	X	X
Intervention Required - Held Jobs May Not Be Restored (57 Configuration Change)	30016	Configuration change, some held jobs were not restored [57]	X	X	X
Intervention Required - Held Jobs May Not Be Restored	30016	Held Jobs May Not Be Restored	X	X	X
Intervention Required - Held Jobs May Not Be Restored	30016	Some held jobs were not restored	✓	✓	✓
		Some held jobs not restored*	✓	X	X
Intervention Required - Held Jobs May Not Be Restored	30016	Insufficient memory, some held jobs will not be restored [37]	✓	✓	✓
		Low memory. Some held jobs lost. [37]*	✓	X	X
Intervention Required - Complex Page	30017	Complex page, some data may not have printed [39]	✓	✓	✓
		Complex page may misprint [39]*	✓	X	X
Intervention Required - Parallel Error	30018	Parallel Error [54]	X	X	X
Intervention Required - Serial Option Error	30018	Serial option [slot #] error [54]	X	X	X
Intervention Required - Standard Serial Error	30018	Standard Serial Error [54]	X	X	X

\* This message applies only to two-line printers.

√ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Standard Network Software Error	30018	Standard network software error [54]	√	√	√
		Network error, standard port [54]*	√	X	X
Intervention Required - Standard Serial Fax Connection Lost	30018	Std Ser Fax Connection Lost [54]	X	X	X
Intervention Required - Parallel Port Disabled	30018	Parallel Port Disabled [56]	X	X	X
Intervention Required - Parallel Port Error	30018	Parallel Port Disabled [56]	X	X	X
Intervention Required - Serial Option Disabled	30018	Serial [slot #] Port Disabled [56]	X	X	X
Intervention Required - Standard Serial Disabled	30018	Standard Serial Disabled [56]	X	X	X
Intervention Required - Standard USB Port Disabled	30018	Standard USB port disabled [56]	√	√	√
		Rear USB port disabled [56]*	√	X	X
Intervention Required - Insufficient Fax Buffer	30026	Insufficient Fax Buffer [55]	X	X	X
Intervention Required - Std Par ENA Connection Lost	30027	Std Par ENA Connection Lost [54]	X	X	X
Intervention Required - Standard Parallel Port Disabled	30027	Standard Parallel Port Disabled [56]	√	X	X

\* This message applies only to two-line printers.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Std Parallel Port Disabled	30027	Std Parallel Port Disabled [56]	X	X	X
Intervention Required - Resolution Reduced	30029	Resolution Reduced [36]	X	X	X
Intervention Required - Print Jobs on Disk Request	30031	Print Jobs on Disk? or Print Jobs on Disk. Go/Stop?	X	X	X
Intervention Required - Restore Held Jobs. Go/Stop?	30031	Restore held jobs?	✓	✓	✓
Intervention Required - Short Paper	30034	Short Paper [34]	X	X	X
Intervention Required - Short Paper	30034	Incorrect paper size, open [source] [34]	✓	✓	✓
		Paper too short [34]*	✓	X	X
Intervention Required - Scheduled Maintenance	30075	Scheduled Maintenance [80]	X	X	X
Intervention Required - Scheduled Maintenance	30075	Scheduled maintenance ADF kit [80]	X	X	X
Intervention Required - Res Save Off Deficient Memory	30076	Insufficient memory to support Resource Save feature [35]	✓	✓	✓
		Memory low, no Resource Save [35]*	✓	X	X
Intervention Required - Insufficient memory	30076	Insufficient memory to support Resource Save feature [35]	X	X	X

\* This message applies only to two-line printers.



✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Resource Save Off Deficient Memory	30076	Res Save Off Deficient Memory [35]	X	X	X
Intervention Required - Insufficient Collation Area	30076	Insufficient Collation Area [37]	X	X	X
Intervention Required - Service Required	30095	Printer service required [36]	X	X	X
Intervention Required - Empty Box M	30107	Empty Box M	X	X	X
Intervention Required - Empty Hole Punch Box	30107	Empty Hole Punch Box	X	X	X
Intervention Required - Insert Box M	30107	Insert Box M	X	X	X
Intervention Required - Insert Staple Cartridge	30107	Insert staple cartridge	X	X	X
Intervention Required - Insert Stapler	30107	Insert Stapler	X	X	X
Intervention Required - Priming Failed	30107	Priming Failed, Retry. Go/Stop?	X	X	X
Intervention Required - Network [x] Software Error	30112	Network [x] software error [54]	✓	✓	✓
Intervention Required - Serial [x] Fax Connection Lost	30112	Ser [x] Fax Connection Lost [54]	X	X	X
Intervention Required - Serial Option [x] Error	30112	Serial option [x] error [54]	X	X	X

\* This message applies only to two-line printers.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Serial Port [x] Disabled	30112	Serial port [x] disabled [56]	X	X	✓
Intervention Required - USB Port [x] Disabled	30112	USB port [x] disabled [56]	X	X	✓
Intervention Required - Parallel [x] ENA Connection Lost	30113	Par [x] ENA Connection Lost [54]	X	X	X
Intervention Required - Parallel Port [x] Disabled	30113	Parallel port [x] disabled [56]	X	X	✓
Intervention Required - Disk Operation Failed Faxes on Disk	32001	Operation Failed Faxes on Disk	X	X	X
Intervention Required - Disk Operation Failed Jobs on Disk	32001	Operation Failed Jobs on Disk	X	X	X
Intervention Required - Flash Full	32002	Flash Full [52]	X	X	X
Intervention Required - Flash Full	32002	Not enough free space in flash memory for resources [52]	✓	✓	✓
		Flash memory full [52]*	✓	X	X
Intervention Required - Disk Full	32002	Disk full [62]	✓	✓	✓
Intervention Required - Disk Corrupted	32015	Disk Corrupted	X	X	X
Intervention required - Disk Corrupted. Reformat?	32015	Disk Corrupted. Reformat?	X	X	X

\* This message applies only to two-line printers.

√ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention required - Disk Must Be Formatted	32015	Disk must be formatted for use in this device	√	√	√
Intervention required - Too Many Bins Attached	32030	Too many bins attached [58]	X	X	X
Intervention Required - Too Many Flash Options Installed	32030	Too Many Flash Options [58]	X	X	X
Intervention Required - Too Many Flash Options Installed	32030	Too many flash options installed [58]	√	√	√
Intervention Required - Unformatted Flash	32052	Unformatted flash detected [53]	√	√	√
		Flash memory unformatted [53]*	√	X	X
Intervention Required - Unformatted Disk	32052	Unformatted disk [63]	X	X	X
Intervention Required - Unsupported Disk Format	32052	Unsupported Disk Format [64]	X	X	X
Intervention Required - Defective Flash	32056	Defective Flash [51]	X	X	X
Intervention Required - Defective Flash	32056	Defective flash detected [51]	√	√	√
		Defective flash memory [51]*	√	X	X
Intervention Required - Defective Disk	32056	Defective Disk [61]	X	X	X
Intervention Required - Defective Disk	32056	Remove defective disk [61]	X	X	√

\* This message applies only to two-line printers.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Scheduled Maintenance	35075	Scheduled Maintenance [80]	X	X	X
Intervention Required - Scheduled Maintenance	40316	Scheduled Maintenance [x] [81]	X	X	X
Intervention Required - Belt Life Warning	40038	Belt Life Warning [80]	X	X	X
Intervention Required - Belt Exhausted	40038	Belt Exhausted [80]	X	X	X
Intervention Required - Fuser Maintenance	40038	Fuser Maintenance [80]	X	X	X
Intervention Required - Fuser Life Warning	40038	Fuser Life Warning [80]	X	X	X
Intervention Required - Fuser Exhausted	40038	Fuser Exhausted [80]	X	X	X
Intervention Required - Fuser/Belt Life Warning	40038	Fuser/Belt Life Warning [80]	X	X	X
Intervention Required - Fuser/Belt Exhausted	40038	Fuser/Belt Exhausted [80]	X	X	X
Intervention Required - ITU Maintenance	40038	ITU Maintenance [83]	X	X	X
Intervention Required - PJI OP Message	40048	[Pick up text from 'data1' and 'data2 but not 'userMessage1' and 'userMessage2']	✓	✓	✓

\* This message applies only to two-line printers.

√ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - PJI ST Message	40049	[Pick up text from 'data1' and 'data2' but not 'userMessage1' and 'userMessage2']	√	√	√
Intervention Required - Waste Toner Bottle Nearly Full	40141	Waste toner bottle nearly full [82.xx]	X	X	X
Intervention Required - Photoconductor Low	40204	[Color] imaging unit low [84.xx]	X	X	X
Intervention Required - Photoconductor Low	40204	[Color] photoconductor low [84.xx]	X	X	X
Intervention Required - Transfer Module Life Warning	40215	Transfer module life warning [83.xx]	X	X	X

\* This message applies only to two-line printers.

## PJI messages for attendance conditions

√ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention required - Disk Corrupted. Reformat?	32015	Disk corrupted	X	X	X
Intervention Required - Too Many Bins Attached	32030	Too many bins attached [58]	X	X	X
Intervention Required - Too Many Flash Options Installed	32030	Too many flash options installed [58]	X	√	√

<sup>1</sup> This message applies only to two-line printers.  
<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Disk Problem	32052	Disk problem	X	X	X
Intervention Required - Remove Defective Disk	32056	Remove defective disk [61]	X	X	✓
Intervention Required - Defective Flash	32056	Defective flash detected [51]	✓	✓	✓
		Defective flash memory [51] <sup>1</sup>	✓	X	X
Intervention Required - Insert Hole Punch Box	40010	Insert Hole Punch Box	X	X	X
Intervention Required - Insert PC Cartridge	40010	Insert PC Cartridge	X	X	X
Intervention Required - 30 CMYK <sup>2</sup> Print Unit Missing	40010	CMYK <sup>2</sup> Print Unit Missing [30]	X	X	X
Intervention Required - 30 Coating Roll Missing	40010	Coating Roll Missing [30]	X	X	X
Intervention Required - Remove Originals from Scanner ADF	40019	Remove originals from the scanner automatic document feeder	X	X	X
Intervention Required - Remove Paper Standard Bin	40019	Remove paper from standard output bin	✓	✓	✓
Intervention Required - Install MICR cartridge	40020	Install MICR cartridge	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Cartridge Life Expired	40021	Cartridge Life Expired CMYK <sup>2</sup>	X	X	X
Intervention Required - Cartridge Life Warning	40021	Cartridge Life Warning CMYK <sup>2</sup>	X	X	X
Intervention Required - Change Cartridge Invalid Refill	40021	Change Cartridge Invalid Refill	X	X	X
Intervention Required - Close Cover [x]	40021	Close cover [x]	X	X	X
Intervention Required - Close Cover [x]	40021	Close paper transport cover	X	X	X
Intervention Required - Printer Cover Open	40021	Close Cover	X	X	X
Intervention Required - Close Toner Box Cover	40021	Close Cover	X	X	X
Intervention Required - Close Deflector G	40021	Close Deflector G	X	X	X
Intervention Required - Close Door	40021	Close Door	X	X	X
Intervention Required - Close Door [x]	40021	Close door [x]	X	X	X
Intervention Required - Close Door [x]	40021	Close stapler door	X	X	X
Intervention Required - Close Door Insert Cartridge	40021	Close door or insert cartridge	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Close Finisher Rear Door	40021	Close Finisher Rear Door	X	X	✓
Intervention Required - Close Finisher Side Door	40021	Close finisher side door	X	X	X
Intervention Required - Close Finisher Top Cover	40021	Close finisher top cover	X	X	X
Intervention Required - Close Front Door	40021	Close front or side door	X	X	X
Intervention Required - Close Front Door	40021	Close front door	✓	✓	✓
Intervention Required - Close Left Side Door	40021	Close left side door	X	X	X
Intervention Required - Close Low ADF Door	40021	Close lower automatic feeder door	X	X	X
Intervention Required - Close Side Door	40021	Close Side Door	X	X	X
Intervention Required - Close Surface	40021	Close surface H	X	X	X
Intervention Required - Close Cover	40021	Close top access cover	X	X	X
Intervention Required - Close Cover and Door	40021	Close top access cover and front door	X	X	X
Intervention Required - Close Door	40021	Close [tray] door	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.



✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Close Tray [x] Top Cover	40021	Close Tray [x] Top Cover	X	X	X
Intervention Required - Printer Upper Door Open	40021	Cover Open, Close Top Covers, Close Door, or Insert Cartridge	X	X	X
Intervention Required - Insert Print Cartridge	40021	Insert Print Cartridge	X	X	X
Intervention Required - Open Cover	40021	Open Cover	X	X	X
Intervention Required - Open Rear Door	40021	Open Rear Door	X	X	X
Intervention Required - Invalid Refill	40021	Invalid Refill Change Cartridge [30]	X	X	X
Intervention Required - Defective Ink Cartridge	40021	Defective Cartridge CMYK <sup>2</sup> [31]	X	X	X
Intervention Required - Defective Print Cartridge	40021	Defective Print Cartridge [31]	X	X	X
Intervention Required - Missing Cartridge	40021	Missing Cartridge CMYK <sup>2</sup> [31]	X	X	X
Intervention Required - Missing Printhead	40021	Missing Printhead [31]	X	X	X
Intervention Required - Defective Print Cartridge	40021	Replace defective cartridge [31]	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Invalid Refill	40021	Invalid refill, change cartridge [31.xx]	X	X	X
Intervention Required - Defective Print Cartridge	40021	Replace defective cartridge [31.xx]	X	X	X
Intervention Required - Defective Print Cartridge	40021	Replace defective print cartridge [31.xx]	X	X	X
Intervention Required - Imaging Unit Defective	40021	Replace defective imaging unit [31.xy]	✓	✓	✓
Intervention Required - Unsupported Cartridge	40021	Unsupported Cartridge [32]	X	X	X
Intervention Required - Unsupported CMYK <sup>2</sup> Cartridge	40021	Unsupported CMYK <sup>2</sup> Cartridge [32]	X	X	X
Intervention Required - Unsupported Print Cartridge	40021	Unsupported Print Cartridge [32]	X	X	X
Intervention Required - Unsupported Printhead	40021	Unsupported Printhead [32]	X	X	X
Intervention Required - Unsupported Cartridge	40021	Cartridge part number unsupported by device [32.xx]	X	X	X
Intervention Required - Tray Size Sense Error	40021	Tray [x] Size Sense Error [40]	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

√ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Open Bin Exit Tray	40021	Open Bin 1 Exit Tray [41]	X	X	X
Intervention Required - Cartridge Region Mismatch	40021	Cartridge region mismatch [42.xy]	X	X	X
Intervention Required - Cartridge Region Mismatch	40021	Replace cartridge, printer region mismatch [42.xy]	√	X	X
Intervention Required - Paper Jam	40022	Paper Jam [2xx]	X	X	X
Intervention Required - Remove Packaging Material	40025	Remove packaging material	X	X	X
Intervention Required - Remove Packaging Material	40025	Remove packaging material, [area name]	X	X	X
Intervention Required - Waste Toner Missing	40025	Waste toner bottle missing [82]	X	X	X
Intervention Required - Waste Toner Bottle Missing	40025	Waste toner bottle missing [82.xx]	X	X	X
Intervention Required - Check Tray Connection	40027	Check tray [paper source #] connection	X	X	X
Intervention Required - Install Tray [x] or Cancel Job	40027	Install tray [x]	X	X	X
Intervention Required - Install Tray [x] or Cancel Job	40027	Install Tray [x] or Cancel Job	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Install Envelope Feeder	40028	Install envelope feeder	X	X	X
Intervention Required - Install Env Feeder or Cancel Job	40028	Install Env Feed or Cancel Job	X	X	X
Intervention Required - Reattach Envelope Feeder	40028	Reattach Envelope Feeder	X	X	X
Intervention Required - Reattach MP Feeder	40028	Reattach MP Feeder	X	X	X
Intervention Required - Check Finisher Installation	40029	Check Finisher Installation	X	X	X
Intervention Required - Check Mailbox Installation	40029	Check Mailbox Installation	X	X	X
Intervention Required - Install Bin [x] or Cancel Job	40029	Install Bin [x] or Cancel Job	X	X	X
Intervention Required - Reattach Bin	40029	Reattach bin [x]	X	X	X
Intervention Required - Reattach Bins	40029	Reattach Bins [bin #x-bin #y]	X	X	X
Intervention Required - Reattach Output Bin	40029	Reattach Output Bin [bin #]	X	X	X
Intervention Required - Tray Config Error	40030	Tray [x] Config Error [33]	X	X	X
Intervention Required - Input Config Error	40030	Input config error [58]	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Too Many Bins Attached	40030	Too Many Bins Attached [58]	X	X	X
Intervention Required - Too Many Disks Installed	40030	Too many disks installed [58]	✓	✓	✓
Intervention Required - Too Many Trays Attached	40030	Too many trays attached [58]	✓	✓	✓
		Too many trays. Remove some. [58] <sup>1</sup>	✓	X	X
Intervention Required - Too Many Disks Installed	40036	Too Many Disks Installed [58]	X	X	X
Intervention Required - PerfectFinish Missing	40037	PerfectFinish Missing [31]	X	X	X
Intervention Required - PerfectFinish Empty	40037	PerfectFinish Empty [87]	X	X	X
Intervention Required - Replace Oil Coating Roll	40038	Replace Oil Coating Roll	X	X	X
Intervention Required - Replace PC Kit	40038	Replace PC Kit	X	X	X
Intervention Required - Replace PC Kit To Continue	40038	Replace PC Kit To Continue	X	X	X
Intervention Required - Replace Toner Cartridge	40038	Replace Toner Cartridge	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Replace Toner Cartridge To Continue	40038	Replace Toner To Continue	X	X	X
Intervention Required - 84 All Photo Devs Exhausted	40038	All Photo Devs Exhausted [84]	X	X	X
Intervention Required - 84 Black Photo Dev Exhausted	40038	Black Photo Dev Exhausted [84]	X	X	X
Intervention Required - 84 Black Photo Dev Life Warning	40038	Black Photo Dev Life Warning [84]	X	X	X
Intervention Required - 84 Color Photo Dev Life Warning	40038	Color Photo Dev Life Warning [84]	X	X	X
Intervention Required - Cartridge Low	40038	Cartridge Low [88]	✓	✓	✓
Intervention Required - [Color] Cartridge Low	40038	[Color] cartridge is low [88]	X	X	X
Intervention Required - Toner Low	40038	Cartridge low [88]	X	X	X
Intervention Required - Cartridge Low	40038	Cartridge Low [CMYK] [88]	X	X	X
Intervention Required - Toner Low	40038	Toner is low [88]	X	X	X
Intervention Required - Toner Low	40038	Toner Low [88]	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Toner Low	40038	Yellow Toner Low [88] Magenta Toner Low [88] Cyan Toner Low [88] Black Toner Low [88]	X	X	X
		Color Print Cartridge Low [88] Black Print Cartridge Low [88] Photo Print Cartridge Low [88]	X	X	X
		Yellow Toner Empty [88] Magenta Toner Empty [88] Cyan Toner Empty [88] Black Toner Empty [88]	X	X	X
Intervention Required - Cartridge Nearly Low	40038	Cartridge nearly low [88.xx]	✓	✓	✓
Intervention Required - Cartridge Empty	40039	Cartridge Empty [CMYK] [89]	X	X	X
Intervention Required - Load Staples	40040	Load Staples	X	X	X
Intervention Required - Priming Failed. Retry?	40041	Priming Failed. Retry?	X	X	X
Intervention Required - PJI OP Message	40048	OPMSG message	X	X	X
Intervention Required - PJI ST Message	40049	STMSG message	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Replace Fuser	40050	Replace Fuser	X	X	X
Intervention Required - Replace Transfer Kit	40050	Replace Transfer Kit	X	X	X
Intervention Required - Incompatible Bin [x]	40087	Incompatible Bin [x] [59]	X	X	X
Intervention Required - Incompatible Bin [x]	40087	Incompatible output bin [x] [59]	X	X	X
Intervention Required - Incompatible Duplex	40088	Incompatible Duplex [59]	X	X	X
Intervention Required - Incompatible Tray [x]	40089	Incompatible Tray [x] [59]	X	X	✓
Intervention Required - Paper Size Unsupported	40089	Tray [x] paper size unsupported	X	X	X
Intervention Required - Incompatible Envelope Feeder	40090	Incompatible Envelope Feeder [59]	X	X	X
Intervention Required - Incompatible Envelope Feeder	40090	Incompatible envelope feeder [59]	X	X	X
Intervention Required - Check Duplex Connection	40095	Check Duplex Connection	X	X	X
Intervention Required - Install Duplex or Cancel Job	40095	Install Duplex or Cancel Job	X	X	X
Intervention Required - Install Duplex or Cancel Job	40095	Install duplex	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.



✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Duplex Cover Open	40096	Close Duplex Door	X	X	X
Intervention Required - Insert Duplex Option	40096	Insert Duplex Option	X	X	X
Intervention Required - Insert Hole Punch Box	40107	Insert the hole punch box	X	X	X
Intervention Required - Replace Photoconductor or Imaging Unit	40129	Replace [color] imaging unit and [color] cartridge [84.xx]	X	X	X
Intervention Required - Replace Color PC Units	40129	Replace color PC Units [84]	X	X	X
Intervention Required - Replace Photoconductor	40129	Replace [Color] photoconductor [84.xx]	X	X	X
Intervention Required - Replace Waste Toner Bottle	40141	Replace waste toner bottle [82.xx]	X	X	X
Intervention Required - Replace Waste Toner	40141	Replace waste toner bottle [82]	X	X	X
Intervention Required - Waste Toner Bottle Nearly Full	40141	Waste toner bottle nearly full [82.xx]	X	X	X
Intervention Required - Waste Toner Nearly Full	40141	Waste toner bottle nearly full [82]	X	X	X
Intervention Required - Transfer Module Missing	40143	Transfer module missing [83.xx]	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Cartridge Low	40200	Black cartridge low [88.xx]	X	X	X
Intervention Required - Cartridge Nearly Low	40200	black cartridge nearly low [88.1x]	X	X	X
Intervention Required - Cartridge Very Low	40200	Black cartridge very low [88.xx]	X	X	X
Intervention Required - Replace Cartridge	40200	Replace black cartridge [88.2x]	X	X	X
Intervention Required - Cartridge Low	40201	Cyan cartridge low [88.xx]	X	X	X
Intervention Required - Cartridge Nearly Low	40201	cyan cartridge nearly low [88.1x]	X	X	X
Intervention Required - Cartridge Very Low	40201	Cyan cartridge very low [88.xx]	X	X	X
Intervention Required - Replace Cartridge	40201	Replace cyan cartridge [88.2x]	X	X	X
Intervention Required - Cartridge Low	40202	Magenta cartridge low [88.xx]	X	X	X
Intervention Required - Cartridge Nearly Low	40202	magenta cartridge nearly low [88.1x]	X	X	X
Intervention Required - Cartridge Very Low	40202	Magenta cartridge very low [88.xx]	X	X	X
Intervention Required - Replace Cartridge	40202	Replace magenta cartridge [88.2x]	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Cartridge Low	40203	Yellow cartridge low [88.xx]	X	X	X
Intervention Required - Cartridge Nearly Low	40203	yellow cartridge nearly low [88.1x]	X	X	X
Intervention Required - Cartridge Very Low	40203	Yellow cartridge very low [88.xx]	X	X	X
Intervention Required - Replace Cartridge	40203	Replace yellow cartridge [88.2x]	X	X	X
Black PC Unit Life Warning	40204	Black pc unit life warning [84]	X	X	X
Intervention Required - Unsupported PC Unit	40204	unsupported [color] imaging unit [84]	X	X	X
Intervention Required - Unsupported PC Unit	40204	unsupported [color] pc unit [84]	X	X	X
Intervention Required - Color PC Units Life Warning	40204	Color PC Unit Life warning [84.xx]	X	X	X
Intervention Required - PC Kit Life Warning	40204	PC kit life warning [84]	X	X	X
Intervention Required - Photoconductor Low	40204	[Color] photoconductor low [84.xx]	X	X	X
Intervention Required - Photoconductor Low	40204	Photoconductor low [84]	X	X	X
Intervention Required - Photoconductor Nearly Low	40204	[color] photoconductor nearly low [84.xx]	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

√ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Transfer Module Life Warning	40215	Transfer module life warning [83.xx]	X	X	X
Intervention Required - Transfer Module Near Life Warning	40215	Transfer module near life warning [83.xx]	X	X	X
Intervention Required - Fuser Life Warning	40216	Fuser Life Warning [87]	X	X	X
Intervention Required - Fuser Life Warning	40216	Fuser life warning [80.xx]	X	X	X
Intervention Required - Fuser Near Life Warning	40216	Fuser near life warning [80.xx]	X	X	X
Intervention Required - Replace Toner	40300	Replace black toner [88]	X	X	X
Intervention Required - Unsupported Print Cartridge	40300	Replace unsupported cartridge [32.xy]	√	√	√
Intervention Required - Replace Toner	40301	Replace cyan toner [88]	X	X	X
Intervention Required - Replace Toner	40302	Replace magenta toner [88]	X	X	X
Intervention Required - Replace Toner	40303	Replace yellow toner [88]	X	X	X
Intervention Required - Replace PC Kit	40304	Replace PC Kit [84]	X	X	X
Intervention Required - Replace Photoconductor	40304	Replace photoconductor [84]	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - 84 Replace Black PC Unit	40305	Replace black PC Unit [84]	X	X	X
Intervention Required - Cartridge Part Number Unsupported	40309	Black cartridge part number unsupported by device [32.xx]	X	X	X
Intervention Required - Replace unsupported cartridge	40309	Replace unsupported black cartridge [32.xx]	X	X	X
Intervention Required - Invalid Refill, Change Cartridge	40309	black invalid refill, change cartridge [40]	X	X	X
Intervention Required - Cartridge Part Number Unsupported	40310	Cyan cartridge part number unsupported by device [32.xx]	X	X	X
Intervention Required - Replace unsupported cartridge	40310	Replace unsupported cyan cartridge [32.xx]	X	X	X
Intervention Required - Invalid Refill, Change Cartridge	40310	cyan invalid refill, change cartridge [40]	X	X	X
Intervention Required - Cartridge Part Number Unsupported	40311	Magenta cartridge part number unsupported by device [32.xx]	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Replace unsupported cartridge	40311	Replace unsupported magenta cartridge [32.xx]	X	X	X
Intervention Required - Invalid Refill, Change Cartridge	40311	magenta invalid refill, change cartridge [40]	X	X	X
Intervention Required - Cartridge Part Number Unsupported	40312	Yellow cartridge part number unsupported by device [32.xx]	X	X	X
Intervention Required - Replace unsupported cartridge	40312	Replace unsupported yellow cartridge [32.xx]	X	X	X
Intervention Required - Invalid Refill, Change Cartridge	40312	yellow invalid refill, change cartridge [40]	X	X	X
Intervention Required - Scheduled Maintenance	40315	Scheduled maintenance [x] [80] Note: [x] indicates 600K kit.	X	X	X
Intervention Required - Replace Transfer Module	40315	Replace transfer module [83.xx]	X	X	X
Intervention Required - Replace Fuser	40316	Replace fuser [80.xx]	X	X	X
Intervention Required - Replace Fuser	40316	Replace fuser [87.xx]	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Scheduled Maintenance	40316	Scheduled maintenance [x] [80] Note: [x] indicates 100K kit.	X	X	X
Intervention Required - Replace Cartridge	40400	Replace defective or missing cartridge [31.xx]	X	X	X
Intervention Required - Defective of Missing Cartridge	40400	Reinstall missing or unresponsive cartridge [31.xy]	✓	✓	✓
Intervention Required - Insert Photoconductor	40404	Insert photoconductor [84]	X	X	X
Intervention Required - Photoconductor Abnormal	40404	Defective [color] imaging unit [84]	X	X	X
Intervention Required -	40404	Photoconductor abnormal [84]	X	X	X
Intervention Required - [Color] PC Unit Missing	40405	Black PC Unit missing [84.41]	X	X	X
Intervention Required - [Color] Photoconductor Missing	40405	Black photoconductor missing [84.41]	X	X	X
Intervention Required - [Color] PC Unit Missing	40406	Cyan PC Unit missing [84.41]	X	X	X
Intervention Required - [Color] Photoconductor Missing	40406	Cyan photoconductor missing [84.41]	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - [Color] PC Unit Missing	40407	Magenta PC Unit missing [84.41]	X	X	X
Intervention Required - [Color] Photoconductor Missing	40407	Magenta photoconductor missing [84.41]	X	X	X
Intervention Required - [Color] PC Unit Missing	40408	Yellow PC Unit missing [84.41]	X	X	X
Intervention Required - [Color] Photoconductor Missing	40408	Yellow photoconductor missing [84.41]	X	X	X
Intervention Required - Toner Cartridge Missing	40409	Missing black cartridge and/or black imaging unit [30.xx]	X	X	X
Intervention Required - Toner Cartridge Missing	40409	Black toner cartridge missing [30.xx]	X	X	X
Intervention Required - Defective Cartridge	40409	Defective black cartridge [31.xx]	X	X	X
Intervention Required - Missing or Defective Cartridge	40409	Missing or defective black cartridge [31.xx]	X	X	X
Intervention Required - Toner Cartridge Missing	40410	Missing cyan cartridge and/or cyan imaging unit [30.xx]	X	X	X
Intervention Required - Toner Cartridge Missing	40410	Cyan toner cartridge missing [30.xx]	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.



✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Defective Cartridge	40410	Defective cyan cartridge [31.xx]	X	X	X
Intervention Required - Missing or Defective Cartridge	40410	Missing or defective cyan cartridge [31.xx]	X	X	X
Intervention Required - Toner Cartridge Missing	40411	Missing magenta cartridge and/or magenta imaging unit [30.xx]	X	X	X
Intervention Required - Toner Cartridge Missing	40411	Magenta toner cartridge missing [30.xx]	X	X	X
Intervention Required - Defective Cartridge	40411	Defective magenta cartridge [31.xx]	X	X	X
Intervention Required - Missing or Defective Cartridge	40411	Missing or defective magenta cartridge [31.xx]	X	X	X
Intervention Required - Toner Cartridge Missing	40412	Missing yellow cartridge and/or yellow imaging unit [30.xx]	X	X	X
Intervention Required - Toner Cartridge Missing	40412	Yellow toner cartridge missing [30.xx]	X	X	X
Intervention Required - Defective Cartridge	40412	Defective yellow cartridge [31.xx]	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

√ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Missing or Defective Cartridge	40412	Missing or defective yellow cartridge [31.xx]	X	X	X
Intervention Required - Fuser Missing	40416	Fuser missing [80.xx]	X	X	X
Intervention Required - Fuser Missing	40416	Fuser missing [87.xx]	X	X	X
Intervention Required - Insert Duplex Pages in Tray [x]	41202	Reload printed pages in Tray [x]	X	X	X

<sup>1</sup> This message applies only to two-line printers.

<sup>2</sup> This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

## PJI messages for paper handling

√ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Tray [x] Empty	11xyy	Tray [paper source #] Empty	X	X	X
Intervention Required - Tray [x] Missing	12x01	Tray [paper source #] Missing	X	X	X
Intervention Required - Bin [x] Full	15ww1	Bin [Bin #] Full	X	X	X
Intervention Required - Short Paper	30034	Incorrect paper size, open [paper source] [34]	√	√	√
		Paper too short [34]*	√	X	X

\* This message applies only to two-line printers.

√ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Wrong Paper Size in Tray [x]	30034	Wrong Paper Size in Tray [x] [34]	X	X	X
Intervention Required - Wrong Paper Size Manual Feed	30034	Wrong Paper Size Manual Feed [34]	X	X	X
Intervention Required - Remove Paper [All Output Bins]	40019	Remove paper from all bins	X	X	X
Intervention Required - Remove Paper From All Bins	40019	Remove paper from all bins	X	X	X
Intervention Required - Remove Paper From Output Bin [x]	40019	Remove paper from bin [x]	X	X	X
Intervention Required - Remove Paper Output Bin [bin #]	40019	Remove Paper Output Bin [bin #]	X	X	X
Intervention Required - Remove Paper [linked set bin name]	40019	Remove paper from [linked set bin name]	X	X	X
Intervention Required - Remove Paper [linked set bin name]	40019	Remove Paper [linked set bin name]	X	X	X
Intervention Required - Remove Paper From Standard Output Bin	40019	Remove paper from standard output bin	√	√	√
		Bin full. Remove paper.*	√	X	X
Intervention Required - Remove Paper Standard Bin	40019	Remove Paper Standard Bin	X	X	X
Intervention Required - Photoconductor Exposure Warning	40025	Photoconductor exposure warning	X	X	X

\* This message applies only to two-line printers.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Check [Paper Source] Orientation or Guides	4100x	Check [paper source] orientation or guides	X	X	X
Intervention Required - Check [Paper Source] Paper Guide	4100x	Check [paper source] Paper Guide	X	X	X
Intervention Required - Incorrect Media	41xy	Paper changes needed	X	X	✓
Intervention Required - Load [paper source] [Custom Type Name] [orientation]	41xyy	Load [paper source] with [Custom Type Name] [orientation]	✓	✓	✓
Intervention Required - Load [paper source] [Custom String] [orientation]	41xyy	Load [paper source] with [Custom String] [orientation]	✓	✓	✓
Intervention Required - Load [paper source] [paper size] [orientation]	41xyy	Load [paper source] with [paper size] [orientation]	✓	✓	✓
Intervention Required - Load [paper source] [paper type] [paper size] [orientation]	41xyy	Load [paper source] with [paper type] [paper size] [orientation]	✓	✓	✓
Intervention Required - Load Manual Request	41xyy	Load Manual Feeder with [Custom Type Name] [orientation]	✓	✓	✓
Intervention Required - Load Manual Request	41xyy	Load Manual Feeder with [Custom String] [orientation] [orientation]	✓	✓	✓
Intervention Required - Load Manual Request	41xyy	Load Manual Feeder with [paper size] [orientation]	✓	✓	✓

\* This message applies only to two-line printers.

√ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Load Manual Request	41xyy	Load Manual Feeder with [paper type] [paper size] [orientation]	√	√	√
Intervention Required - Load Manual [Custom Type Name]	41xyy	Load single sheet feeder with [Custom Type Name]	X	X	X
Intervention Required - Load Manual [Custom String]	41xyy	Load single sheet feeder with [Custom String]	X	X	X
Intervention Required - Load Manual [paper size]	41xyy	Load single sheet feeder with [paper size]	X	X	X
Intervention Required - Load Manual [paper type] [paper size]	41xyy	Load single sheet feeder with [paper type] [paper size]	X	X	X
Intervention Required - Change Request	41xyy	Change [paper source] to [Custom Type Name]	X	X	X
Intervention Required - Change Request	41xyy	Change [paper source] to [Custom Type Name], load [orientation]	√	√	√
Intervention Required - Change Request	41xyy	Change [paper source] to [Custom String]	X	X	X
Intervention Required - Change Request	41xyy	Change [paper source] to [Custom String] load [orientation]	√	√	√
Intervention Required - Change Request	41xyy	Change [paper source] to [paper type] [paper size]	X	X	X
Intervention Required - Change Request	41xyy	Change [paper source] to [paper type] [paper size] load [orientation]	√	√	√
Intervention Required - Incorrect Media	41xyy	Incorrect Media [34]	X	X	X

\* This message applies only to two-line printers.

✓ = Supported X = Not supported			Printer model		
Message	Status code	Return string	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Insert Duplex Pages & Press Go.	412yy	Insert Duplex Pages & Press Go.	X	X	X
Intervention Required - Insert Tray [x]	4300x	Insert tray [x]	✓	X	X

\* This message applies only to two-line printers.

### PJL messages for paper jams

✓ = Supported X = Not supported		Printer model		
Message	Status code	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Paper Jam	4200x	X	X	X
Intervention Required - Paper Jam	4200z	✓	✓	✓
Intervention Required - Paper Jam	4201x	X	X	X
Intervention Required - Paper Jam	4201z	✓	✓	✓
Intervention Required - Paper Jam	4202x	X	X	X
Intervention Required - Paper Jam	4202z	✓	✓	✓
Intervention Required - Paper Jam	4203x	X	X	X
Intervention Required - Paper Jam	4203z	✓	✓	✓
Intervention Required - Paper Jam	4204x	X	X	X
Intervention Required - Paper Jam	4205x	X	X	X

w indicates that this message includes a letter indicating a door or cover that needs to be opened.  
 x represents the number of jammed pages in the printer.  
 y represents the tray number.  
 z represents the bin number.

✓ = Supported X = Not supported	Status code	Printer model		
		MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Paper Jam	4206x	X	X	X
Intervention Required - Paper Jam	4207x	X	X	X
Intervention Required - Paper Jam	4208x	X	X	X
Intervention Required - Paper Jam	4209x	X	X	X
Intervention Required - Paper Jam	4210x	X	X	X
Intervention Required - Paper Jam	4211x	X	X	X
Intervention Required - Paper Jam	4220x	X	X	X
Intervention Required - Paper Jam	4221x	X	X	X
Intervention Required - Paper Jam	4222x	X	X	X
Intervention Required - Paper Jam	4230x	X	X	X
Intervention Required - Paper Jam	4230z	✓	✓	✓
Intervention Required - Paper Jam	4231x	X	X	X
Intervention Required - Paper Jam	4231z	X	X	X
Intervention Required - Paper Jam	4232x	X	X	X
Intervention Required - Paper Jam	4233x	X	X	X
Intervention Required - Paper Jam	4234	X	X	X
Intervention Required - Paper Jam	424yx	X	X	X

w indicates that this message includes a letter indicating a door or cover that needs to be opened.  
x represents the number of jammed pages in the printer.  
y represents the tray number.  
z represents the bin number.

√ = Supported X = Not supported		Printer model		
Message	Status code	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Paper Jam	424xz	√	√	√
Intervention Required - Paper Jam	4241wy	X	X	X
Intervention Required - Paper Jam	4241z	X	X	X
Intervention Required - Paper Jam	4242wy	X	X	X
Intervention Required - Paper Jam	4242z	X	X	X
Intervention Required - Paper Jam	4243w	X	X	X
Intervention Required - Paper Jam	4243z	X	X	X
Intervention Required - Paper Jam	4244wy	X	X	X
Intervention Required - Paper Jam	4244z	X	X	X
Intervention Required - Paper Jam	4245w	X	X	X
Intervention Required - Paper Jam	4246w	X	X	X
Intervention Required - Paper Jam	4247wy	X	X	X
Intervention Required - Paper Jam	4248w	X	X	X
Intervention Required - Paper Jam	4249w	X	X	X
Intervention Required - Paper Jam	4250w	X	X	X
Intervention Required - Paper Jam	4250x	X	X	X
Intervention Required - Paper Jam	4250z	√	√	√

w indicates that this message includes a letter indicating a door or cover that needs to be opened.  
x represents the number of jammed pages in the printer.  
y represents the tray number.  
z represents the bin number.



✓ = Supported X = Not supported	Status code	Printer model		
		MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Paper Jam	4251wy	X	X	X
Intervention Required - Paper Jam	4251x	X	X	X
Intervention Required - Paper Jam	4252w	X	X	X
Intervention Required - Paper Jam	4253w	X	X	X
Intervention Required - Paper Jam	4254wy	X	X	X
Intervention Required - Paper Jam	4255	X	X	X
Intervention Required - Paper Jam	4256w	X	X	X
Intervention Required - Paper Jam	4257w	X	X	X
Intervention Required - Paper Jam	4258w	X	X	X
Intervention Required - Paper Jam	4259wy	X	X	X
Intervention Required - Paper Jam	4260w	X	X	X
Intervention Required - Paper Jam	4260x	X	X	X
Intervention Required - Paper Jam	4260z	X	X	X
Intervention Required - Paper Jam	4261w	X	X	X
Intervention Required - Paper Jam	4261x	X	X	X
Intervention Required - Paper Jam	427xz	X	X	X
Intervention Required - Paper Jam	427zx	X	X	X

w indicates that this message includes a letter indicating a door or cover that needs to be opened.  
x represents the number of jammed pages in the printer.  
y represents the tray number.  
z represents the bin number.

√ = Supported X = Not supported		Printer model		
Message	Status code	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Paper Jam	4271	X	X	X
Intervention Required - Paper Jam	4271z	X	X	X
Intervention Required - Paper Jam	4272	X	X	X
Intervention Required - Paper Jam	4272z	X	X	X
Intervention Required - Paper Jam	4273	X	X	X
Intervention Required - Paper Jam	4280w	X	X	X
Intervention Required - Paper Jam	4280x	X	X	X
Intervention Required - Paper Jam	4280z	X	X	X
Intervention Required - Paper Jam	4281w	X	X	X
Intervention Required - Paper Jam	4281x	X	X	X
Intervention Required - Paper Jam	4281z	X	X	X
Intervention Required - Paper Jam	4282w	X	X	X
Intervention Required - Paper Jam	4282x	X	X	X
Intervention Required - Paper Jam	4282z	X	X	X
Intervention Required - Paper Jam	4283w	X	X	X
Intervention Required - Paper Jam	4283x	X	X	X
Intervention Required - Paper Jam	4283z	X	X	X

w indicates that this message includes a letter indicating a door or cover that needs to be opened.  
x represents the number of jammed pages in the printer.  
y represents the tray number.  
z represents the bin number.

√ = Supported X = Not supported		Printer model		
Message	Status code	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Paper Jam	4284w	X	X	X
Intervention Required - Paper Jam	4284x	X	X	X
Intervention Required - Paper Jam	4284z	X	X	X
Intervention Required - Paper Jam	4285w	X	X	X
Intervention Required - Paper Jam	4285z	X	X	X
Intervention Required - Paper Jam	4286w	X	X	X
Intervention Required - Paper Jam	4286z	X	X	X
Intervention Required - Paper Jam	4287	X	X	X
Intervention Required - Paper Jam	4287z	X	X	X
Intervention Required - Paper Jam	4288	X	X	X
Intervention Required - Paper Jam	4288z	X	X	X
Intervention Required - Paper Jam	4289	X	X	X
Intervention Required - Paper Jam	4289z	X	X	X
Intervention Required - Paper Jam	4290	X	X	X
Intervention Required - Paper Jam	4291	X	X	X
Intervention Required - Paper Jam	4292	X	X	X
Intervention Required - Paper Jam	4293	X	X	X

w indicates that this message includes a letter indicating a door or cover that needs to be opened.  
x represents the number of jammed pages in the printer.  
y represents the tray number.  
z represents the bin number.

✓ = Supported X = Not supported		Printer model		
Message	Status code	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Intervention Required - Paper Jam	4294	X	X	X
Intervention Required - Paper Jam	4295	X	X	X

w indicates that this message includes a letter indicating a door or cover that needs to be opened.  
 x represents the number of jammed pages in the printer.  
 y represents the tray number.  
 z represents the bin number.

### Service errors

✓ = Supported X = Not supported		Printer model		
Message	Error code	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
ALL SERVICE MESSAGES	50000	X	X	X

### Device attendance messages

✓ = Supported X = Not supported		Printer model		
Message		MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
RDYMSG		✓	✓	✓
OPMSG		✓	✓	✓
STMSG		✓	✓	✓

### Lexmark-unique PJI commands

These commands are Lexmark extensions which have been added to the PJI command set to provide the user with remote control of many printer functions.

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Command			
Common file system commands			
• LFORMAT	✓	✓	✓
• LDEFRAG	✓	✓	✓
• LOPENFILE	✓	✓	✓
• LCLOSEFILE	✓	✓	✓
• LREADFILE	✓	✓	✓
• LWRITEFILE	✓	✓	✓
• LRUNFILE	✓	✓	✓
• LRENAMEFILE	✓	✓	✓
• LDELETEFILE	✓	✓	✓
File and device protection commands			
• LDECLARE	✓	✓	✓
• LDELETEPASSWORD	✓	✓	✓
• LQUERYSEED	✓	✓	✓
• LBYPASSPASSWORD	✓	✓	✓
LBEEP	X	✓	✓
LENGINEPRT	✓	✓	✓
LENTERRTAILMODE	X	X	X
LESCAPECHAR	✓	✓	✓
LEXITRETAILMODE	X	X	X
LFAX PHONENUMBER	X	✓	✓
LFLASH	X	X	X
LINITIALIZEPRINTER	X	X	X
LPORTROTATE	✓	✓	✓
LPRINT testpage			
• LPRINTDIRECTORY	✓	✓	✓
• LPRINTTESTPAGE	✓	✓	✓
• LPRINTMENUS	✓	✓	✓

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Command			
• LPRINTPCLFONTS	✓	✓	✓
• LPRINTPSFONTS	✓	✓	✓
• LPRINTDIAG1TEST	✓	✓	✓
• LPRINTDIAG2TEST	✓	✓	✓
• LPRINTDIAG3TEST	✓	✓	✓
LPROGRAM	X	X	X
LPROGRAMADAPTOR	✓	✓	✓
LPROGRAMCOFF	✓	✓	✓
LPROGRAMENG	✓	✓	✓
LPROGRAMRIP	✓	✓	✓
LWRITEOM	✓	✓	✓

## Appendix C: PostScript support

### Supplemental operators

Operator name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
appletalktype	✓	✓	✓
buildtime	✓	✓	✓
byteorder	✓	✓	✓
checkpassword	✓	✓	✓
currentfilenameextend	✓	✓	✓
currentmanualduplexmode	✓	✓	✓
currentuniversalsize	✓	✓	✓
defaulttimeouts	x	x	x
deletefile	✓	✓	✓
devcontrol	✓	✓	✓
devdismount	✓	✓	✓
devforall	✓	✓	✓
devformat	✓	✓	✓
devmount	✓	✓	✓
devstatus	✓	✓	✓
diskonline	✓	✓	✓
diskstatus	✓	✓	✓
displayoperatormsg	✓	✓	✓
doidlefonts	✓	✓	✓
dojamrecovery	✓	✓	✓
doprinterrors	✓	✓	✓
doret	x	x	x
dostartpage	✓	✓	✓
dosysstart	✓	✓	✓

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Operator name			
duplexer	✓	✓	✓
duplexmode	✓	✓	✓
enginesync	✓	✓	✓
file	✓	✓	✓
filenameforall	✓	✓	✓
fileposition	✓	✓	✓
firstside	✓	✓	✓
fontnonzerowinding	✓	✓	✓
hardwareiomode	✓	✓	✓
idlefonts	✓	✓	✓
ignoresize	✓	✓	✓
initializedisk	✓	✓	✓
jobname	✓	✓	✓
jobsource	✓	✓	✓
jobtimeout	X	X	X
manualfeed	✓	✓	✓
manualfeedtimeout	X	X	X
newsheet	✓	✓	✓
pagecount	✓	✓	✓
pagesprinted	✓	✓	✓
papertray	✓	✓	✓
printername	✓	✓	✓
product	✓	✓	✓
PS2fonts	✓	✓	✓
PS3fonts	✓	✓	✓
quiet	✓	✓	✓
ramsize	✓	✓	✓
realformat	✓	✓	✓



Operator name	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
renamefile	✓	✓	✓
resolution	✓	✓	✓
revision	✓	✓	✓
sccbatch	✓	✓	✓
sccinteractive	✓	✓	✓
setcoverpage	x	x	x
setdefaulttimeouts	x	x	x
setdoidlefonts	✓	✓	✓
setdojamrecovery	✓	✓	✓
setdoprintererrors	✓	✓	✓
setdoret	x	x	x
setdostartpage	✓	✓	✓
setdosysstart	✓	✓	✓
setduplexmode	✓	✓	✓
setenginesync	✓	✓	✓
setethernetaddress	✓	✓	✓
setfilenameextend	✓	✓	✓
setfileposition	✓	✓	✓
sethardwareiomode	✓	✓	✓
setidlefonts	✓	✓	✓
setignoresize	✓	✓	✓
setjobtimeout	x	x	x
setmanualduplexmode	✓	✓	✓
setpapertray	✓	✓	✓
setprintername	✓	✓	✓
setquiet	✓	✓	✓
setresolution	✓	✓	✓
setsccbatch	✓	✓	✓

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Operator name			
setsccinteractive	✓	✓	✓
setsoftwareiomode	✓	✓	✓
settumble	✓	✓	✓
setuniversalsize	✓	✓	✓
setuserdiskpercent	✓	✓	✓
softwareiomode	✓	✓	✓
tumble	✓	✓	✓
userdiskpercent	✓	✓	✓
waittimeout	X	X	X

## Page device parameters

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Key			
BeginPage	✓	✓	✓
Collate	✓	✓	✓
DeferredMediaSelection	✓	✓	✓
DeviceRenderingInfo	✓	✓	✓
• Screening	X	X	X
- ColorGrade	X	X	X
- PictureGrade	X	X	X
- IET	X	X	X
- IETImagesOnly	X	X	X
- IETPictureGrade	X	X	X
- None	X	X	X
• TonerSaver	X	X	X
• PictureGrade	X	X	X
• ImageEnhancement	✓	✓	✓

Key	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
√ = Supported X = Not supported			
• ImageEnhancementType	√	√	√
• PrintDarkness	√	√	√
• AutoMediaType	√	√	√
• EdgeToEdge	√	√	√
• DefaultPoliciesPageSize	X	X	X
• SubstituteSize	√	√	√
• LineDetail	√	√	√
• Type	√	√	√
• ColorCorrection	√	√	√
• ColorBalance	X	X	X
• ColorSaver	X	X	X
• ImageBrightness	√	√	√
• Imageess	X	X	X
• ImageContrast	√	√	√
• ImageSaturation	X	X	X
• ManualColor	X	X	X
• PrintQuality	X	X	X
Duplex	√	√	√
EndPage	√	√	√
ExitJamRecovery	√	√	√
HWResolution	√	√	√
ImagingBBox	√	√	√
InputAttributes	√	√	√
• 0 - Tray 1	√	√	√
• 1 - Tray 2	√	√	√
• 2 - Envelope Feeder	X	X	X
• 3 - Tray 3	√	√	√
• 4 - Multipurpose Feeder	√	√	√

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Key			
• 5 - Tray 4	✓	✓	✓
• 6 - Tray 5	x	x	x
- PageSize	✓	✓	✓
- MatchAll	✓	✓	✓
- MediaColor	✓	✓	✓
- MediaType	✓	✓	✓
- MediaWeight	✓	✓	✓
- InputLocation	✓	✓	✓
• Mode	✓	✓	✓
• Priority	✓	✓	✓
Install	✓	✓	✓
Jog	✓	✓	✓
ManualFeed	✓	✓	✓
ManualFeedTimeout	✓	✓	✓
MediaColor	✓	✓	✓
MediaPosition	✓	✓	✓
MediaType	✓	✓	✓
MediaWeight	✓	✓	✓
NumCopies	✓	✓	✓
Nup	✓	✓	✓
NupDetails	✓	✓	✓
• Rows	✓	✓	✓
• Columns	✓	✓	✓
• Orientation	✓	✓	✓
• Border	✓	✓	✓
• Order	✓	✓	✓
• Type	✓	✓	✓

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Key			
• LandscapeOverride	✓	✓	✓
OutputAttributes	✓	✓	✓
• 0 - Standard Bin	✓	✓	✓
- OutputType	✓	✓	✓
- OutputLocation	✓	✓	✓
- PunchModesSupported	X	X	X
• 1 - Optional Bin 1	X	X	X
- OutputType	X	X	X
- OutputLocation	X	X	X
• 2 - Optional Bin 2	X	X	X
- OutputType	X	X	X
- OutputLocation	X	X	X
• 3 - Optional Bin 3	X	X	X
- OutputType	X	X	X
- OutputType	X	X	X
• 4 - Optional Bin 4	X	X	X
• 5 - Optional Bin 5	X	X	X
• 6 - Optional Bin 6	X	X	X
• 7 - Optional Bin 7	X	X	X
• 8 - Optional Bin 8	X	X	X
• 9 - Optional Bin 9	X	X	X
• 10 - Optional Bin 10	X	X	X
• Priority	✓	✓	✓
OutputPage	✓	✓	✓
OutputType	✓	✓	✓
PageDeviceName	✓	✓	✓
PageSize	✓	✓	✓
Policies	✓	✓	✓
• PageSize	✓	✓	✓
• PolicyNotFound	✓	✓	✓

√ = Supported X = Not supported		Printer model		
Key		MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
• PolicyReport		√	√	√
PostRenderingEnhance		X	X	X
PostRenderingEnhanceDetails		X	X	X
• REValue		X	X	X
• Type		X	X	X
PowerSave		√	√	√
ProcessColorModel		X	X	X
Punch		X	X	X
SlipSheet		X	X	X
SlipSheetDetails		√	√	√
• SlipSheetSource		√	√	√
• Type		√	√	√
Staple		X	X	√
TraySwitch		√	√	√
Tumble		√	√	√
UniversalDetails		√	√	√

## User interpreter parameters

√ = Supported X = Not supported		Printer model		
Key	Default	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
AccurateScreens	false	√	√	√
CollatedCopies	Collation - Collated Copies (QTY) value	√	√	√
HalftoneMode	0	√	√	√
IdiomRecognition	true	√	√	√
JobName	()	√	√	√
JobTimeout	JobTimeout system parameter	√	√	√

√ = Supported X = Not supported		Printer model		
Key	Default	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
MaxDictStack	255	√	√	√
MaxExecStack	10015	√	√	√
MaxFontItem	12500	√	√	√
MaxFormItem	100000	√	√	√
MaxLocalVM	2147483647	√	√	√
MaxOpStack	100000	√	√	√
MaxPatternItem	20000	√	√	√
MaxScreenItem	48000	√	√	√
MaxSuperScreen	1024	√	√	√
MaxUPathItem	5000	√	√	√
MinFontCompress	2147483647	√	√	√
PageCount	0	√	√	√
UseOldcopypage	false	√	√	√
VMReclaim	0	√	√	√
VMThreshold	25000 per MB of RAM	√	√	√
WaitTimeout	WaitTimeout system parameter	√	√	√

## System interpreter parameters

√ = Supported X = Not supported		Printer model		
Key		MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
BuildTime		√	√	√
ByteOrder		√	√	√
CurDisplayList		√	√	√
CurFontCache		√	√	√
CurFormCache		√	√	√

Key	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
CurInputDevice	✓	✓	✓
CurOutlineCache	✓	✓	✓
CurOutputDevice	✓	✓	✓
CurPatternCache	✓	✓	✓
CurScreenStorage	✓	✓	✓
CurSourceList	✓	✓	✓
CurUPathCache	✓	✓	✓
DisableFastProcs	✓	✓	✓
DoPrintErrors	✓	✓	✓
DoStartPage	✓	✓	✓
EnableExtraFonts	✓	✓	✓
EngineBoot	✓	✓	✓
EngineCode	✓	✓	✓
EngineSpeed	✓	✓	✓
EnvironmentSave	✓	✓	✓
FactoryDefaults	✓	✓	✓
FatalErrorAddress	✓	✓	✓
FontResourceDir	✓	✓	✓
FontVersion	✓	✓	✓
GenericResourceDir	✓	✓	✓
GenericResourcePathSep	✓	✓	✓
InstalledRam	✓	✓	✓
JobTimeout	✓	✓	✓
languagelevel	✓	✓	✓
MaxDisplayList	✓	✓	✓
MaxDisplayAndSourceList	✓	✓	✓
MaxFontCache	✓	✓	✓



Key	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
MaxFormCache	✓	✓	✓
MaxImageBuffer	✓	✓	✓
MaxOutlineCache	✓	✓	✓
MaxPatternCache	✓	✓	✓
MaxPermanentVM	✓	✓	✓
MaxRasterMemory	✓	✓	✓
MaxScreenStorage	✓	✓	✓
MaxSourceList	✓	✓	✓
MaxUPathCache	✓	✓	✓
PageCount	✓	✓	✓
PanelCode	✓	✓	✓
PrinterCode	✓	✓	✓
PrinterName	✓	✓	✓
RamSize	✓	✓	✓
RealFormat	✓	✓	✓
Revision	✓	✓	✓
SearchBuiltinFontsFirst	✓	✓	✓
SerialNumber	✓	✓	✓
StartJobPassword	✓	✓	✓
StartupMode	✓	✓	✓
StaticRamSize	✓	✓	✓
SystemParamsPassword	✓	✓	✓
UseOldcopypage	✓	✓	✓
UseOldfonts	✓	✓	✓
ValidNV	✓	✓	✓
WaitTimeout	✓	✓	✓

## Devices supported

Device	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
%AppSocketA%	✓	✓	✓
%AppSocketB%	✓	✓	✓
%AppSocketC%	✓	✓	✓
%AppSocketD%	✓	✓	✓
%CalendarA%	✓	✓	✓
%CalendarB%	✓	✓	✓
%CalendarC%	✓	✓	✓
%CalendarD%	✓	✓	✓
%Console%	✓	✓	✓
%disk1%	✓	✓	✓
%Engine%	✓	✓	✓
%EthernetPhysicalA%	✓	✓	✓
%EthernetPhysicalB%	✓	✓	✓
%EthernetPhysicalC%	✓	✓	✓
%EthernetPhysicalD%	✓	✓	✓
%EtherTalkA%	✓	✓	✓
%EtherTalkB%	✓	✓	✓
%EtherTalkC%	✓	✓	✓
%EtherTalkD%	✓	✓	✓
%flash1%	✓	✓	✓
%IP_A%	✓	✓	✓
%IP_B%	✓	✓	✓
%IP_C%	✓	✓	✓
%IP_D%	✓	✓	✓
%IR_A%	✓	✓	✓
%IR_B%	✓	✓	✓

Device	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
%IR_C%	✓	✓	✓
%IR_D%	✓	✓	✓
%LexLinkA%	✓	x	x
%LexLinkB%	✓	x	x
%LexLinkC%	✓	x	x
%LexLinkD%	✓	x	x
%LocalTalkA%	✓	✓	✓
%LocalTalkB%	✓	✓	✓
%LocalTalkC%	✓	✓	✓
%LocalTalkD%	✓	✓	✓
%LPR_A%	✓	✓	✓
%LPR_B%	✓	✓	✓
%LPR_C%	✓	✓	✓
%LPR_D%	✓	✓	✓
%ParallelA%	✓	✓	✓
%ParallelB%	✓	✓	✓
%ParallelC%	✓	✓	✓
%ParallelD%	✓	✓	✓
%PrintServerA%	x	x	x
%PrintServerB%	x	x	x
%PrintServerC%	x	x	x
%PrintServerD%	x	x	x
%PrinterServerA%	✓	✓	✓
%PrinterServerB%	✓	✓	✓
%PrinterServerC%	✓	✓	✓
%PrinterServerD%	✓	✓	✓
%RemotePrinterA%	✓	✓	✓
%RemotePrinterB%	✓	✓	✓

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Device			
%RemotePrinterC%	✓	✓	✓
%RemotePrinterD%	✓	✓	✓
%rom%	✓	✓	✓
%SerialA%	✓	✓	✓
%SerialB%	✓	✓	✓
%SerialC%	✓	✓	✓
%SerialD%	✓	✓	✓
%TokenRingPhysicalA%	✓	✓	✓
%TokenRingPhysicalB%	✓	✓	✓
%TokenRingPhysicalC%	✓	✓	✓
%TokenRingPhysicalD%	✓	✓	✓
%TokenTalkA%	✓	✓	✓
%TokenTalkB%	✓	✓	✓
%TokenTalkC%	✓	✓	✓
%TokenTalkD%	✓	✓	✓
%USB_A%	✓	✓	✓
%USB_B%	✓	✓	✓
%USB_C%	✓	✓	✓
%USB_D%	✓	✓	✓

## Device parameters

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Key			
<b>Device Parameters for the Communication Device %Parallel%, %ParallelA%, %ParallelB%, %ParallelC%, %ParallelD%</b>			
DelayedOutputClose	✓	✓	✓
Enabled	✓	✓	✓

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Key			
Filtering	✓	✓	✓
Handshake	✓	✓	✓
HasNames	✓	✓	✓
Interpreter	✓	✓	✓
On	✓	✓	✓
OutputDevice	✓	✓	✓
PCLSmartSwitch	✓	✓	✓
PortLocation	✓	✓	✓
PSSmartSwitch	✓	✓	✓
Type	✓	✓	✓
<b>Device Parameters for the Communication Device %Serial%, %SerialA%, %SerialB%, %SerialC%, %SerialD%</b>			
Baud	✓	✓	✓
CheckParity	✓	✓	✓
DataBits	✓	✓	✓
DelayedOutputClose	✓	✓	✓
Enabled	✓	✓	✓
Filtering	✓	✓	✓
FlowControl	✓	✓	✓
HasNames	✓	✓	✓
HonorDSR	✓	✓	✓
Interpreter	✓	✓	✓
On	✓	✓	✓
Parity	✓	✓	✓
PCLSmartSwitch	✓	✓	✓
PortLocation	✓	✓	✓
PSSmartSwitch	✓	✓	✓
RobustXon	✓	✓	✓

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Key			
SerialMode	✓	✓	✓
StopBits	✓	✓	✓
Type	✓	✓	✓
<b>Device Parameters for the Communication Device %LocalTalk%, %LocalTalkA%, %LocalTalkB%, %LocalTalkC%, %LocalTalkD%</b>			
DelayedOutputClose	✓	✓	✓
Enabled	✓	✓	✓
Filtering	✓	✓	✓
HasNames	✓	✓	✓
Interpreter	✓	✓	✓
LocalTalkType	✓	✓	✓
NodeID	✓	✓	✓
On	✓	✓	✓
PCLSmartSwitch	✓	✓	✓
PortLocation	✓	✓	✓
PSSmartSwitch	✓	✓	✓
Type	✓	✓	✓
<b>Device Parameters for the Communication Device %EtherTalk%, %EtherTalkA%, %EtherTalkB%, %EtherTalkC%, %EtherTalkD%</b>			
DelayedOutputClose	✓	✓	✓
Enabled	✓	✓	✓
EthernetAddress	✓	✓	✓
EtherTalkType	✓	✓	✓
EtherTalkZone	✓	✓	✓
Filtering	✓	✓	✓
HasNames	✓	✓	✓
Interpreter	✓	✓	✓
NodeID	✓	✓	✓
On	✓	✓	✓
PCLSmartSwitch	✓	✓	✓

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Key			
PortLocation	✓	✓	✓
PSSmartSwitch	✓	✓	✓
Type	✓	✓	✓
<b>Device Parameters for the Communication Device %IR%, %IR_A%, %IR_B%, %IR_C%, %IR_D%</b>			
DelayedOutputClose	✓	✓	✓
Enabled	✓	✓	✓
Filtering	✓	✓	✓
HasNames	✓	✓	✓
Interpreter	✓	✓	✓
On	✓	✓	✓
PCLSmartSwitch	✓	✓	✓
PortLocation	✓	✓	✓
PSSmartSwitch	✓	✓	✓
Type	✓	✓	✓
<b>Device Parameters for the Communication Device %USB%, %USB_A%, %USB_B%, %USB_C%, %USB_D%</b>			
DelayedOutputClose	✓	✓	✓
Enabled	✓	✓	✓
Filtering	✓	✓	✓
HasNames	✓	✓	✓
Interpreter	✓	✓	✓
On	✓	✓	✓
PCLSmartSwitch	✓	✓	✓
PortLocation	✓	✓	✓
PSSmartSwitch	✓	✓	✓
Type	✓	✓	✓
<b>Device Parameters for the Communication Device %TokenTalk%, %TokenTalkA%, %TokenTalkB%, %TokenTalkC%, %TokenTalkD%</b>			
Address	✓	✓	✓

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Key			
Bridging	✓	✓	✓
DelayedOutputClose	✓	✓	✓
Enabled	✓	✓	✓
Filtering	✓	✓	✓
HasNames	✓	✓	✓
Interpreter	✓	✓	✓
NodeID	✓	✓	✓
On	✓	✓	✓
PCLSmartSwitch	✓	✓	✓
PortLocation	✓	✓	✓
PSSmartSwitch	✓	✓	✓
TokenTalkType	✓	✓	✓
Type	✓	✓	✓
Zone	✓	✓	✓
<b>Device Parameters for the Communication Device %AppSocket%, %AppSocketA%, %AppSocketB%, %AppSocketC%, %AppSocketD%</b>			
DelayedOutputClose	✓	✓	✓
Enabled	✓	✓	✓
Filtering	✓	✓	✓
HasNames	✓	✓	✓
Interpreter	✓	✓	✓
On	✓	✓	✓
PortLocation	✓	✓	✓
Type	✓	✓	✓
<b>Device Parameters for the Communication Device %RemotePrinter%, %RemotePrinterA%, %RemotePrinterB%, %RemotePrinterC%, %RemotePrinterD%</b>			
DelayedOutputClose	✓	✓	✓
Enabled	✓	✓	✓
Filtering	✓	✓	✓



√ = Supported X = Not supported	Printer model		
Key	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
HasNames	√	√	√
Interpreter	√	√	√
On	√	√	√
PortLocation	√	√	√
Type	√	√	√
<b>Device Parameters for the Communication Device %PrintServer%, PrintServerA%, PrintServerB%, %PrintServerC%, %PrintServerD%</b>			
DelayedOutputClose	√	√	√
Enabled	√	√	√
Filtering	√	√	√
HasNames	√	√	√
Interpreter	√	√	√
On	√	√	√
PortLocation	√	√	√
Type	√	√	√
<b>Device Parameters for the Communication Device %LPR%, %LPR_A%, %LPR_B%, %LPR_C%, %LPR_D%</b>			
Enabled	√	√	√
Filtering	√	√	√
HasNames	√	√	√
Interpreter	√	√	√
On	√	√	√
PortLocation	√	√	√
Type	√	√	√
<b>Device Parameters for the Communication Device %LexLink%, %LexLinkA%, %LexLinkB%, %LexLinkC%, %LexLinkD%</b>			
DelayedOutputClose	√	X	X
Enabled	√	X	X
HasNames	√	X	X
Interpreter	√	X	X

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Key			
On	✓	X	X
PortLocation	✓	X	X
Type	✓	X	X
<b>Device Parameters for the Communication Device %IP%, %IP_A%, %IP_B%, %IP_C%, %IP_D%</b>			
GatewayAddress	✓	✓	✓
IPAddress	✓	✓	✓
IPAddressDynamic	✓	✓	✓
NetworkMask	✓	✓	✓
On	✓	✓	✓
Physical	✓	✓	✓
PortLocation	✓	✓	✓
Type	✓	✓	✓
<b>Device Parameters for the Communication Device %EthernetPhysical%, %EthernetPhysicalA%, %EthernetPhysicalB%, %EthernetPhysicalC%, %EthernetPhysicalD%</b>			
EthernetAddress	✓	✓	✓
On	✓	✓	✓
PortLocation	✓	✓	✓
Type	✓	✓	✓
<b>Device Parameters for the Communication Device %TokenRingPhysical%, %TokenRingPhysicalA%, %TokenRingPhysicalB%, %TokenRingPhysicalC%, %TokenRingPhysicalD%</b>			
Address	✓	✓	✓
On	✓	✓	✓
PortLocation	✓	✓	✓
Speed	✓	✓	✓
Type	✓	✓	✓
<b>Device Parameters for the Parameters Device %Engine%</b>			
BSizeStandard	✓	✓	✓
Darkness	✓	✓	✓
PageCount	✓	✓	✓

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Key			
TimeToStandby	✓	✓	✓
Type	✓	✓	✓
<b>Device Parameters for the Parameters Device %Console%</b>			
Language	✓	✓	✓
Type	✓	✓	✓
<b>Device Parameters for the Parameters Device %Calendar%, %CalendarA%, %CalendarB%, %CalendarC%, %CalendarD%</b>			
Day	✓	✓	✓
Hour	✓	✓	✓
Minute	✓	✓	✓
Month	✓	✓	✓
Running	✓	✓	✓
Second	✓	✓	✓
Type	✓	✓	✓
Year	✓	✓	✓
DateTime	✓	✓	✓
DayOfWeekLong	✓	✓	✓
DayOfWeekNum	✓	✓	✓
DayOfWeekShort	✓	✓	✓
<b>Device Parameters for the Parameters Device %disk1%</b>			
BlockSize	✓	✓	✓
Free	✓	✓	✓
HasNames	✓	✓	✓
InitializeAction	✓	✓	✓
LogicalSize	✓	✓	✓
Mounted	✓	✓	✓
PhysicalSize	✓	✓	✓
Removable	✓	✓	✓
Searchable	✓	✓	✓

✓ = Supported X = Not supported	Printer model		
	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Key			
SearchOrder	✓	✓	✓
Type	✓	✓	✓
Writeable	✓	✓	✓
<b>Device Parameters for the Parameters Device %flash1%</b>			
BlockSize	✓	✓	✓
Free	✓	✓	✓
HasNames	✓	✓	✓
InitializeAction	✓	✓	✓
LogicalSize	✓	✓	✓
Mounted	✓	✓	✓
PhysicalSize	✓	✓	✓
Removable	✓	✓	✓
Searchable	✓	✓	✓
SearchOrder	✓	✓	✓
Type	✓	✓	✓
Writeable	✓	✓	✓
<b>Device Parameters for the Parameters Device %rom%</b>			
BlockSize	✓	✓	✓
Free	✓	✓	✓
HasNames	✓	✓	✓
InitializeAction	✓	✓	✓
LogicalSize	✓	✓	✓
Mounted	✓	✓	✓
PhysicalSize	✓	✓	✓
Removable	✓	✓	✓
Searchable	✓	✓	✓
SearchOrder	✓	✓	✓
Type	✓	✓	✓

✓ = Supported X = Not supported	Printer model		
Key	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
Writeable	✓	✓	✓

## PostScript message keys commands

✓ = Supported X = Not supported	Printer model		
Key	MS310, MS312, MS315, MS410, MS415, MS510, MS610	MX310, MX410, MX510, MX511	MX610, MX611
job	✓	✓	✓
status	✓	✓	✓
source	✓	✓	✓

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