



Lexmark™

Publishing Platform for Retail

Technical Specification

Version: 10.5

Written by: Research & Development
Date: January 2022

Edition Notice

January 2022

The following paragraph does not apply to any country where such provisions are inconsistent with local law: LEXMARK INTERNATIONAL, INC., PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions; therefore, this statement may not apply to you.

This publication could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in later editions. Improvements or changes in the products or the programs described may be made at any time.

References in this publication to products, programs, or services do not imply that the manufacturer intends to make these available in all countries in which it operates. Any reference to a product, program, or service is not intended to state or imply that only that product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any existing intellectual property right may be used instead. Evaluation and verification of operation in conjunction with other products, programs, or services, except those expressly designated by the manufacturer, are the user's responsibility.

For Lexmark technical support, visit <http://support.lexmark.com>.

For information on supplies and downloads, visit www.lexmark.com.

**© 2020 Lexmark International, Inc.
All rights reserved.**

GOVERNMENT END USERS

The Software Program and any related documentation are "Commercial Items," as that term is defined in 48 C.F.R. 2.101, "Computer Software" and "Commercial Computer Software Documentation," as such terms are used in 48 C.F.R. 12.212 or 48 C.F.R. 227.7202, as applicable. Consistent with 48 C.F.R. 12.212 or 48 C.F.R. 227.7202-1 through 227.7207-4, as applicable, the Commercial Computer Software and Commercial Software Documentation are licensed to the U.S. Government end users (a) only as Commercial Items and (b) with only those rights as are granted to all other end users pursuant to the terms and conditions herein.

Trademarks

Lexmark and the Lexmark logo are trademarks or registered trademarks of Lexmark International, Inc. in the United States and/or other countries.

Microsoft, Windows, Internet Explorer, Windows Server, SQL Server, and Access are either registered trademarks or trademarks of the Microsoft group of companies in the United States and other countries. Google Chrome is a trademark of Google Inc.

Oracle is a registered trademark of Oracle and/or its affiliates.

PostScript is a registered trademark of Adobe Systems Incorporated in the United States and/or other countries.

All other trademarks are the property of their respective owners.

Table of Contents

Overview	4
Web Client Workstations.....	4
Browser Support for In-Store Publisher	4
Template Designer Workstations	5
Application Server	5
Database Platforms.....	5
Print Drivers.....	6
In-Aisle Publisher	6
Application Server For Linux build	7

Overview

This document outlines the basic system requirements for Publishing Platform tools. The ideal hardware and software configurations for your organization depend on the size and type of your business. This information is intended as a general guideline. Contact your service consultants for additional advice on your specific needs.

Web Client Workstations

The technical specifications required for client workstations appear in the following table.

Requirements	Minimum/Recommended Hardware Specification
<p>Microsoft Windows 11 or 10 or 8.1 operating system with Google Chrome™ or Internet Explorer® 11.x or latest Microsoft Edge browser (Open Internet Explorer from Desktop mode, rather than from a Metro tile)</p> <p>Internet connection speeds are determined by your configuration. 128 Kbps is recommended as a minimum.</p> <p>Note For Internet Explorer 11.x, run the browser as administrator or turn off Enable Protected Mode.</p>	<p>2GHz processor (or higher)</p> <p>2GB RAM</p> <p>5GB hard disk space</p>

Browser Support for In-Store Publisher

- Internet Explorer 11
- Microsoft Edge (latest)
- Safari (latest) - MacOS only, not Windows
- Chrome (latest)
- Firefox (latest)

Notes:

- **Mobile support:** While we support these browsers running on mobile devices, this release not completely optimized for small screens/touch-friendly devices.
- **Browser running in Non-Windows OS:** While we support above mentioned browsers in OS other than Windows including mobile devices, client-side printing is not supported.

Template Designer Workstations

The technical specifications required for client workstations appear in the following table.

Requirements	Minimum/Recommended Hardware Specification
Microsoft Windows 11	2GHz processor (or higher)
Microsoft Windows 10 x64	4GB RAM
Microsoft Windows 8.1 x64	5GB hard disk space
Microsoft .NET Framework 4.5	
Microsoft ODBC Driver 17 for SQL Server (x64)	

Application Server

Server requirements apply to a variety of servers, such as web servers for production and staging that host the In-Store Publisher user interface, Lexmark Publishing Services and Publishing Engine services (also called rendering services) that render and distribute print jobs to client machines in an In-Store Publisher system.

Requirements	Minimum/Recommended Hardware Specification
Windows Server 2022 or 2019 or 2016 or 2012 R2 SP1	For each server in a staging or production environment:
Microsoft Internet Information Server (IIS)	Two or four processor cores, 2GHz or faster
Microsoft .NET Framework 4.8 (.NET 4.5 & 3.5 must also be enabled)	2GB RAM per core
Microsoft .NET Core 3.1 Hosting Bundle in case of SSO	60GB hard disk space
Microsoft ODBC Driver 17 for SQL Server (x64)	1Gbps Ethernet connection
Lexmark Universal Print Driver PS3	Note: The recommended number of servers depends on the client's usage and content. Also it is recommended to validate based on OS version recommendation

Database Platforms

Database servers handle item, batch, sign, and user interface data. Publishing Platform for Retail supports the Microsoft SQL database out-of-the-box, based on reference applications and sample use cases, but does not support other databases. However, custom database integration support may be available. Contact your service consultants for details.

System Requirements	Hardware Specification
Microsoft SQL Server 2019 or Microsoft SQL Server 2017 or	Database hardware depends on the volume and content stored in your database and the volume of signs printed.

Microsoft SQL Server 2016 or Microsoft SQL Server 2014 or Microsoft SQL Server 2012	In a production environment, we recommend using a dedicated database server for Microsoft SQL Server configurations.
---	--

For prerequisites and instructions for installing on Windows, refer to the *Publishing Platform for Retail Installation Guide*, available on the Product Documentation tab in the Customer Portal.

Print Drivers

The technical specifications required for print drivers appear in the following table.

Printer Type	Supported Drivers
Windows Printing	Windows printer drivers are required for GDI and GDI+ output.
PostScript® Printing / Non-Windows	For direct PostScript output, such as in non-Windows environments, a PostScript-enabled and IP-addressable printer is required unless printing to file.
Thermal Direct Printer	For direct custom thermal printer language output, an IP-addressable printer is required unless printing to file. Note: Additional licensing is required for direct output to thermal devices. Contact your service consultants for a list of supported custom printer languages.

In-Aisle Publisher

In-Aisle Publisher is designed for use by employees in store aisles to perform price checks, build batches, and print or publish signs. You can perform these tasks from a device with a built-in scanner or by typing the barcode values using iPhone and Android mobile devices. Note that In-Aisle Publisher runs in the web browser and is not a native application.

Refer to the following table for In-Aisle Publisher specifications.

Specification	Description
Browsers	Any HTML5-compatible browser (recommended for optimal user experience) Microsoft Internet Explorer Mobile 6 or later is supported. Internet Explorer Mobile 9 or later is recommended for optimal user experience. Apple Safari (6 or later) Windows Desktop browsers (Internet Explorer 11, Google Chrome, Firefox or Microsoft Edge latest recommended) Linux Desktop browser (Firefox latest is recommended)

Application Server For Linux build

Server requirements apply to a variety of servers. For Linux installation, the hardware requirement depends on required load.

Requirements	Minimum/Recommended Hardware Specification
64 bit Linux OS (RedHat 7.x, 8.x OR Ubuntu 18.04 / 20.04) GCC version 4.8.3 & onwards ODBC Client Drivers / Software Target DB (Oracle, DB2, MariaDB) ODBC Connector	For each server in a staging or production environment: Two or four processor cores, 2GHz or faster 2GB RAM per core 60GB hard disk space 1Gbps Ethernet connection Note: The recommended number of servers depends on the client's usage and content.