

# **HP LASERJET Managed E52645 SERIES**

## **Firmware Readme**

### Product Name(s):

- HP LaserJet Managed MFP E52645dn
- HP LaserJet Managed Flow MFP E52645c

Model Number(s): • 1PS54A • 1PS55A

This document contains information for the firmware revision number:

Firmware Datecode: 20201105

Firmware Revision: 2411114\_061058

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 4.11.0.2

Reminder: Dynamic security enabled printer. This Firmware includes dynamic security measures, which may prevent supplies with non-HP chips or circuitry from working now or in the future. More at: [www.hp.com/go/learnaboutsupplies](http://www.hp.com/go/learnaboutsupplies).

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- OPEN-SOURCE SOFTWARE LICENSE AGREEMENTS (In English)
- License and Copyright

## Description

This Readme file provides specific installation instructions and other information you should know before you perform a firmware update for your HP LaserJet Series printer or MFP. Installation instructions are provided for Single and Multiple Printer Updates.

This document provides specific update, installation and troubleshooting information. For additional information on the device features, refer to the online user guide found on the Windows Printing System Installer CD-ROM that came with your printer or at [hp.com](http://hp.com).

### What is included in a Firmware bundle?

The HP LaserJet printer firmware update file available from the HP web site contains firmware for the printer, embedded JetDirect (if applicable), HP paper handling accessories used with the device in one convenient download file. When the Remote Firmware Upgrade file is sent to the HP LaserJet Printer or MFP firmware for the engine and all connected accessories are upgraded.

### Who needs this firmware?

Similar to HP Inc. providing improved software for your HP LaserJet Printer or MFP, HP Inc. provides firmware updates for your printer periodically through its supported lifecycle. A firmware update may be necessary if it is determined that you may benefit from the resolution of any issue that is documented below. These updates are available on the HP support web site.

Determining the current version level of your firmware

### To determine the current level of firmware installed on the device:

Go to the printer's or MFP's control panel.

1. Go to the printer's control panel.
2. Swipe left and select the **Reports** application.
3. Select the **Configuration/Status Pages** menu.
4. Select the **Configuration Page** option.
5. Select the **Print**.

On the printed Configuration page look in the section marked "Device Information" for the Firmware Datecode and Firmware Revision. The Firmware Datecode and Firmware Revision will look something like this:

Firmware Datecode: 20190116

Firmware Revision: 2407081\_000592

### IMPORTANT NOTE:

This firmware file requires an interactive update method. You CANNOT update these Product(s)/Model(s) using the traditional FTP, LPR or Port 9100 methods of upgrading. Please use one of the following methods listed below to update the firmware of this device.

## **Enhancements and Fixes provided with this Firmware revision**

The following new functionality or features are provided by this firmware release:

Firmware Datecode: 20201105

Firmware Revision: 2411114\_061058

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 4.11.0.2

For information on HP Security Bulletins addressed by firmware releases, please visit:

<https://support.hp.com/security-bulletins>

To initiate a subscription to receive future HP Security Bulletin alerts via email, visit:

<https://www.hp.com/go/alerts>

### **ENHANCEMENT:**

Base:

- No New Updates

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

## **FIXES:**

Base:

- This release is rolling due to a manufacturing change.

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP LASERJET MANAGED E52645 SERIES	Firmware Datecode: 20201105 Firmware Revision: 2411114_061058
Embedded JetDirect:	JSI24110014
DC Controller Version	5.130
Optional Trays Versions	4.108
Fax	Ver11.4A
HP Fleet Release Designation	Original Release FutureSmart 4.11.0.2
MD5 checksum for .bdl file	289f86731254c57b4c6de8b856a4e922

## **Enhancements and Fixes provided with this Firmware revision**

The following new functionality or features are provided by this firmware release:

Firmware Datecode: 20200808

Firmware Revision: 2411097\_060496

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 4.11.0.1

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## **ENHANCEMENT:**

Base:

- Added device level notifications, such as paper out messages, to be displayed in the Workpath notification area.
- Added support for both the HP and Honeywell barcode reader to allow input text at the control panel by reading a barcode.

Digital Sending:

- No New Updates

Analog Fax:

- Added support for Mixed Originals for fax job with pages longer than 15 inches in length.

Security/Authentication:

- The Embedded Web Server Security Log now provides access to device generated Syslog event information. The log stores all generated syslog event messages to an internal file that can be exported from the device EWS Security page.
- Added support for the HP Smartcard NIPRNet Solution for US Government to now authenticate automatically using the Signature or PIV-Authentication certificate. The preferred certificate for authentication is configured using the Prefer-GSC-IS over PIV card setting.

Embedded JetDirect:

- A Workpath app might launch prior to SIO Authentication and storing previous saved credentials in the Cloud Vault.

## **FIXES:**

Base:

- Jobs may not get duplexed when media is loaded short edge feed in certain cases.
- The Date and Time stamp within the Service Event logs can be different compared to the actual time, depending upon the time zone the printer is set to.
- The device status of "Printer is low on toner/ink" displays in the Window's printer spooler when a long-life consumable, such as an image drum or fuser, is in a low status.
- Scanning from 3rd Party TWAIN application takes longer than expected
- When using the physical keyboard a press of the "Z" key will populate the screen with a "y" in the email field when using the Polish language..
- 49.4A.04 error may occur intermittently when printing from certain types of customized applications.
- Some media type strings are displayed incorrectly in Japanese language.
- The device may stop processing groups of mixed copy/print jobs when Serverless Job Accounting/Local Quota is enabled.
- If an export file is created with the Import/Export feature where the "Local quota and job accounting settings" is checked and the "Local Quota" setting in the Embedded Web Server (EWS) is disabled (EWS > General > Quota Settings > Local Quota) then the "Local Quota" setting in the EWS will no longer be available in the EWS after the import.
- A device administrator may be unable to access secured Embedded Web Server features when a third-party Authorization proxy is registered.
- A 49.DE.05 may occur when HPAC OXP is used in heavy volumes.
- A "Copier disabled. Check copy control device" message appears on control panel when a FIH accessory is connected, but insufficient copy credits are available.
- Card Reader may fail after a power cycle and will require the device to be registered again before it works.
- The configured auto-launch application may fail to launch if the user language is changed when signing in.
- Japanese Localization for "Retry the Job" is incorrect for email notification.
- A 49.4A.04 error may occur when printing certain types of PostScript files.
- The Job Log does not display the full name of a Printed job.
- Device hangs with a "JetAdvantage Link is Loading" message on the control panel when a kiosk app is uninstalled and then reinstalled without a reboot.
- Workpath based apps may intermittently fail to load due to a boot time race condition.
- Certain Workpath apps may displayed a different time on the home screen when compared to the Date/Time settings within the Embedded Web Server.
- Granted permission may not work properly after upgrading when using certain Workpath apps.
- Improved toner level status reporting when the printer is in an error state under certain environmental conditions.

Digital Sending:

- The Digital Send file name generated is incorrect when using the device date and time suffix along with the preview option.
- The "Send test Email" function of the Control Panel Setup for Scan to Email always fails with "SMTP Gateway not responding" when an SSL/TLS connection on port 465 is configured.

#### Analog Fax:

- Sending 3 or more continuous IP fax jobs may result in a Communication Error.
- Incoming faxes fail to connect after being answered by the MFP
- Fax speed dials with pauses ( , ) in the fax numbers cannot be restored after being exported.
- Unable to block fax numbers with spaces and hyphen.

#### Security/Authentication:

- Uses NTLM for authentication when SmartCard authentication is specified
- Scan to folder is sending unsigned packets when the server sets the "Signing Enabled" flag.
- An intermittent 33.05.18 Security Alert may occur during a device power cycle.
- The HPAC app may launch prior to SIO Authentication and storing previous saved credentials in the Cloud Vault.
- LDAP with secure connection fails on server with Channel Binding enabled
- Scan to DFS Folder may stop working, but may recover if enough time passes or printer is rebooted.
- In a network trace there will be no Tree Connect after successful Session Setup packet when scanning to a DFS folder.
- A corresponding Event Log entry is not created when a Syslog event message is sent for a Potential Intrusion Detection event.
- When scanning to a DFS share, a network trace shows "Bad network name" response to Tree Connect packet.

#### Embedded JetDirect:

- The device may become unresponsive in the morning or after long idle periods which will require a power cycle.
- The device is unable to make a connection to HP Command Center even though the printer is online.
- The Current Settings page when printed in the Polish language is using incorrect structure and words.
- The connection screen in Polish language is not localized correctly.
- Web JetAdmin and HP Security Manager can't remediate SNMPv1/2 credentials when WiFi Direct is enabled
- The Remote Control Panel feature will not load properly when using a Remote Embedded Web Server session over a Cloud Connected, Virtual JetAdvantage Management Connector (VJAMc), device.

- Scan to Email will not work when using an Amazon email server.

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP LASERJET MANAGED E52645 SERIES	Firmware Datecode: 20200808 Firmware Revision: 2411097_060496
Embedded JetDirect:	JSI24110014
DC Controller Version	5.130
Optional Trays Versions	4.108
Fax	Ver11.4A
HP Fleet Release Designation	Original Release FutureSmart 4.11.0.1
MD5 checksum for .bdl file	fd9a9b0ebf647e956845c6f7fa4ab825

## **Enhancements and Fixes provided with this Firmware revision**

The following new functionality or features are provided by this firmware release:

Firmware Datecode: 20200205

Firmware Revision: 2410035\_055348

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 4.10.0.1

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### **ENHANCEMENT:**

Base:

- No New Updates

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

**FIXES:**

Base:

- Several PrintMarkerStatus supply OIDs are missing after upgrade to FutureSmart Firmware Bundle version 4.10.

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

**DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP LASERJET MANAGED E52645 SERIES	Firmware Datecode: 20200205 Firmware Revision: 2410035_055348
Embedded JetDirect:	JSI24100003
DC Controller Version	5.129
Optional Trays Versions	4.108
Fax	Ver11.4A
HP Fleet Release Designation	Original Release FutureSmart 4.10.0.1
MD5 checksum for .bdl file	762332cb0f63997b4bebbbd296a16801

## **Enhancements and Fixes provided with this Firmware revision**

The following new functionality or features are provided by this firmware release:

Firmware Datecode: 20191224

Firmware Revision: 2410028\_055004

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 4.10

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<https://support.hp.com/security-bulletins>

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<https://www.hp.com/go/alerts>

### **ENHANCEMENT:**

Base:

- Import and export functionality was extended to include more settings: Home Screen, Job apps, Contacts, Accounts and permissions, Energy/sleep, Local quota and Job accounting settings, and Manage trays settings.

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Security/Authentication:

- The default setting for "Allow firmware updates sent as print jobs (Port 9100)" has changed to Disabled (previously Enabled).

Embedded JetDirect:

- Added the SLP keep alive setting to the Embedded Web Server's Networking Settings menu.

## **FIXES:**

### Base:

- An "Unknown conflict" warning will appear on the control panel when the Display language is set to Norwegian.
- Incorrect localization with Expert Copy screens.
- The Home button does not work when a Workpath application is installed.
- The PORT command in the Scan to Active FTP mode contains a null IP address.
- Unable to use an Alternate Login when Enable Pre Prompt Check is Enabled for the Default Login Method.
- Monochrome print jobs may not be restricted properly based upon the available quota credits when the Local Quota Service is enabled.
- JetAdvantage Link Apps are presented to the user in the incorrect language when device language is set to Norwegian.
- Signing into the device from the Control Panel takes longer compared to previous releases.
- Slower than expected print speeds may occur when printing PDF files at 1200dpi with the HP Universal Printer Driver PostScript.
- A "LOCALIZATION ERROR" occurs after upgrading from FutureSmart 3 and changing any setting within the Embedded Web Server's Copy/Print>Default Print Options menu.
- The device status of "Printer is low on toner/ink" displays in the Window's printer spooler when a long-life consumable, such as an image drum or fuser, is in a low status.
- The Print List button to print a list of all the stored jobs is translated incorrectly in German.

### Digital Sending:

- No New Updates

### Analog Fax:

- The left half of the Fax application control panel screen is missing.

### Security/Authentication:

- User group permissions may not work in the Embedded Web Server once an OXPd Authorization Agent is loaded.
- "The network folder path specified does not exist" warning is seen on the control panel when scanning to a shared folder with networks that are not configured with a DNS server.

### Embedded JetDirect:

- A Back up and Restore will fail to complete successfully if an administrator first accesses the HP Webservices Smart Cloud Tab within the Embedded Web Server.
- SNMPv3 fails to respond when the device is in a power save mode with certain configuration options being set.

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP LASERJET MANAGED E52645 SERIES	Firmware Datecode: 20191224 Firmware Revision: 2410028_055004
Embedded JetDirect:	JSI24100002
DC Controller Version	5.127
Optional Trays Versions	4.108
Fax	Ver11.4A
HP Fleet Release Designation	Original Release FutureSmart 4.10
MD5 checksum for .bdl file	bfa8dcb08009ed9bca21f025f7b328f8

## **Enhancements and Fixes provided with this Firmware revision**

The following new functionality or features are provided by this firmware release:

Firmware Datecode: 20191116

Firmware Revision: 2409065\_000054

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 4.9.0.2

#### **ENHANCEMENT:**

Base:

- No New Updates

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

## **FIXES:**

Base:

- Duplicate I/O Filters will be generated on every power cycle which may cause intermittent failures or inconsistent behaviors within the device. The duplicate I/O Filters can be seen on the Configuration page, under the Installed Personalities and Options section.

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP LASERJET MANAGED E52645 SERIES	Firmware Datecode: 20191116 Firmware Revision: 2409065_000054
Embedded JetDirect:	JSI24090014
DC Controller Version	5.123
Optional Trays Versions	4.108
Fax	Ver11.4A
HP Fleet Release Designation	Original Release FutureSmart 4.9.0.2
MD5 checksum for .bdl file	a6e18f26f1550b2b2f8aa25f7fce15f5

## **Enhancements and Fixes provided with this Firmware revision**

The following new functionality or features are provided by this firmware release:

Firmware Datecode: 20191023

Firmware Revision: 2409058\_053347

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 4.9.0.1

### **ENHANCEMENT:**

Base:

- No New Updates

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Security/Authentication:

- Added support for both Whitelisting and Non-Whitelisting for SIO (Sign In Once) Enablement through HP Command Center.

Embedded JetDirect:

- No New Updates

### **FIXES:**

Base:

- A 49.DE.11 error may occur when retrieving a stored job when the "Assist users to their job" setting is enabled.

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP LASERJET MANAGED E52645 SERIES	Firmware Datecode: 20191023 Firmware Revision: 2409058_053347
Embedded JetDirect:	JSI24090014
DC Controller Version	5.123
Optional Trays Versions	4.108
Fax	Ver11.4A
HP Fleet Release Designation	Original Release FutureSmart 4.9.0.1
MD5 checksum for .bdl file	cb19ea88b95ba84eff00db612f2dc52a

## **Enhancements and Fixes provided with this Firmware revision**

The following new functionality or features are provided by this firmware release:

Firmware Datecode: 20190916

Firmware Revision: 2409048\_052884

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 4.9

#### **ENHANCEMENT:**

Base:

- Added the ability to process Print, Copy, Scan and Stored jobs simultaneously when Serverless Job Accounting is enabled.
- Added a "Grand Total" row on the Usage Page to sum up the Print, Copy and Fax Equivalent Impressions for Letter/A4 pages.
- Job Accounting performance improvements have been made which modifies the database to return the records in a "Last-In-First-Out" (LIFO) format.
- Added the ability to allow the printer to wake from sleep/standby mode when swiping a digital badge on an attached security card reader.

- Added the ability to schedule a restart under the Embedded Web Server (EWS) Troubleshooting menu to allow users to restart a device at a specific time and frequency.

#### Digital Sending:

- Added support for the Universal Fax Driver which has replaced the legacy PC Send Fax Driver.

#### Analog Fax:

- No New Updates

#### Security/Authentication:

- No New Updates

#### Embedded JetDirect:

- Increased the number of allowable IPv4 addresses within the Access Control List (ACL) to 20 entries.

### **FIXES:**

#### Base:

- The Copy, Scan or Print functionality may still be accessible while a user is signing out of the device.
- The Image Preview is not displayed when retrieving stored print jobs from the device control panel.
- Certain PDF files may print slowly, when printed directly via USB, the Embedded Web Server, or other direct-print workflows.
- Certain PDF files may print slower than anticipated from the Apple Preview application using the Apple Airprint driver in macOS 10.13 and macOS 10.14.
- Personal Jobs can be retrieved multiple times when using an Encrypted Password.
- The wrong keyboard layout is displayed for the Polish language.
- The Custom Control Panel Wallpaper image is erased when upgrading to FutureSmart Firmware Bundle Version 4.8 or 4.8.0.1.
- An Acrobat Reader error may appear on the computer screen when opening a PDF in Acrobat Reader DC if the PDF is generated by an HP Digital Sending application and the media is loaded in the short edge feed direction.
- A 49.DE.15 low memory error may occur due to a caching issue when logging In and Out of some third party solutions.

- The Embedded Web Server (EWS) permissions are being grayed out when an OXPd authentication agent proxy is configured.

#### Digital Sending:

- A user's credentials are being requested a second time when accessing nested subfolders within a Send to Network Folder job.
- The Digital Send file name generated is incorrect when using the device date and time suffix along with the preview option.

#### Analog Fax:

- The first incoming fax after a reboot may not get answered.

#### Security/Authentication:

- An "Access Denied" error may occur when using a simple hostname in the folder path for the Scan to Folder setup.
- The Authorization Agent registration may fail when the Embedded Web Server (EWS) Access Control "Device Guest" has permissions enabled.

#### Embedded JetDirect:

- Incorrect characters are displayed on the Network Configuration Page when the control panel is set to Czech or other Latin languages.
- Slow printing may occur when performing direct-PDF printing and when printing certain file types within the Macintosh environment.
- Pages may be missing and not printed when IPP/IPPS jobs are sent in rapid succession.

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP LASERJET MANAGED E52645 SERIES	Firmware Datecode: 20190916 Firmware Revision: 2409048_052884
Embedded JetDirect:	JSI24090012
DC Controller Version	5.123
Optional Trays Versions	4.108
Fax	Ver11.4A
HP Fleet Release Designation	Original Release FutureSmart 4.9
MD5 checksum for .bdl file	5eaf8dbeecd3b5f4aa6317b091663f8b

## **Enhancements and Fixes provided with this Firmware revision**

The following new functionality or features are provided by this firmware release:

Firmware Datecode: 20190701

Firmware Revision: 2408071\_000190

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 4.8.0.1

## **ENHANCEMENT:**

Base:

- No New Updates

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

## **FIXES:**

Base:

- HP Jet Advantage Link Applications do not launch properly and a "Failed to get device token. Please enable HP Web Services on EWS" error message will be displayed on the device control panel.

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

#### Security/Authentication:

- CVE-2019-6334 - Solution application signature checking may allow potential execution of arbitrary code.

#### Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP LASERJET MANAGED E52645 SERIES	Firmware Datecode: 20190701 Firmware Revision: 2408071_000190
Embedded JetDirect:	JSI24080017
DC Controller Version	5.120
Optional Trays Versions	4.108
Fax	Ver11.4A
HP Fleet Release Designation	Original Release FutureSmart 4.8.0.1
MD5 checksum for .bdl file	ac15b57b8dde47051e6e30011fd00a43

## **Enhancements and Fixes provided with this Firmware revision**

The following new functionality or features are provided by this firmware release:

Firmware Datecode: 20190614

Firmware Revision: 2408067\_049142

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 4.8

#### **ENHANCEMENT:**

Base:

- Added a recursive query to get all the user members from a group to provide sub groups Permission Set.
- Added the ability to change the font color and effects to improve readability in Home Screen applications.
- Added functionality that would restrict an end user from entering the copy application without credits when using a FIH (Foreign Interface Harness) solution.

- Added new naming formats of the scanned file in Scan to Network folder (%DEVICE\_HOSTNAME\_PQDN%,%DEVICE\_DATE\_YYMMDD%)
- Added support for the HP Custom Color Manager Software tool. The tool provides color management capabilities to optimize color printing to better match customer's needs.

#### Digital Sending:

- Added the ability to manually adjust the scaling of an ADF scanned image in the feed direction.

#### Analog Fax:

- No New Updates

#### Security/Authentication:

- Added middleware support for SafeNet AT SC650 v4.1t smartcard.

#### Embedded JetDirect:

- No New Updates

### **FIXES:**

#### Base:

- Entering a PIN number for a stored job will unlock stored Jobs of another user with the same PIN number.
- The Cancel button is not correctly notifying authentication solutions at sign-in when user presses the cancel button.
- Jobs may not get duplexed when media is loaded short edge feed in certain cases.
- Job is cancelled after swiping badge and logging out immediately after scan completes.
- HP Web JetAdmin might not be able to correctly identify the printer within its firmware repository.
- Barcodes are not printed properly in some documents during direct PDF printing.
- An Empty keyboard screen appears after an user authentication is initiated by pressing the "Number of Copies" field of the Copy application button in the device home screen.
- The Expert Copy feature has been temporarily disabled for an user experience redesign and will be reenabled in a future firmware release.

### Digital Sending:

- Text highlighting is incorrectly displayed when searching for text in scanned PDFs with OCR.
- Copying Legal sized media may get clipped when using the Copy Client from OXPd 1.8.

### Analog Fax:

- Cannot create a fax speed dial within the Embedded Web Server when signed in as a Device User even though the Access Control menu has given permission to the Device User accounts.
- Fax logs are not clearing properly when using a Web JetAdmin template to delete the fax activity log.
- Fax send jobs are stuck in the active jobs queue with some failing with communication error 200.
- 'Internal fax' is misspelled as 'Internet fax' when using the Japanese control panel language.

### Security/Authentication:

- Unhandled exception causes device to crash with 49.38.07 error immediately after Windows authentication.
- A 49.38.1B error may occur when using an invalid\offline HTTPS Device Alert endpoint.
- Safenet AT SC650 v4.1 card Smart Card: unique provisioning method prevents the middleware from finding the certificates.
- A CA signed ID certificate is replaced with a printer generated self-signed ID certificate when upgrading from FutureSmart 4.5.6 (or newer) to FutureSmart 4.7.3 (or older).

### Embedded JetDirect:

- IPv6 DHCP request packet contains a null Identity Association (IA). This works with the RFC and MS servers, but QIP servers do not handle this well.
- A printer performance slow down may occur with excessive mDNS traffic on a network.
- A stapled document will hang the printer when printing through the Google Cloud print solution.
- The default paper size may be incorrect when using the Google Cloud Print Driver.

Current firmware revisions included in this firmware bundle:

#### **DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP LASERJET MANAGED E52645 SERIES	Firmware Datecode: 20190614

	Firmware Revision: 2408067_049142
Embedded JetDirect:	JSI24080014
DC Controller Version	5.120
Optional Trays Versions	4.108
Fax	Ver11.4A
HP Fleet Release Designation	Original Release FutureSmart 4.8
MD5 checksum for .bdl file	e1da54843c5150384672a8663375df87

## Enhancements and Fixes provided with this Firmware revision

The following new functionality or features are provided by this firmware release:

Firmware Datecode: 20190511

Firmware Revision: 2407349\_000070

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 4.7.3.1

### ENHANCEMENT:

Base:

- No New Updates

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Security/Authentication:

- No New Updates

Embedded JetDirect:

- No New Updates

### FIXES:

Base:

- No New Updates

Digital Sending:

- No New Updates

Analog Fax:

- No New Updates

Security/Authentication:

- A CA signed ID certificate will be replaced with a printer generated self-signed ID certificate when upgrading from FutureSmart 4.5.6 (or newer) to FutureSmart 4.7.3 (or older).

Embedded JetDirect:

- No New Updates

Current firmware revisions included in this firmware bundle:

**DEVICE FIRMWARE REVISION**

COMPONENT	FIRMWARE VERSION
HP LASERJET MANAGED E52645 SERIES	Firmware Datecode: 20190511 Firmware Revision: 2407349_000070
Embedded JetDirect:	JSI24070307
DC Controller Version	5.115
Optional Trays Versions	4.108
Fax	Ver11.4A
HP Fleet Release Designation	Original Release FutureSmart 4.7.3.1
MD5 checksum for .bdl file	61b0e84bf4938eda237fe15ee92ef694

## **Enhancements and Fixes provided with this Firmware revision**

The following new functionality or features are provided by this firmware release:

Firmware Datecode: 20190408

Firmware Revision: 2407346\_045653

HP Fleet Bundle Version Designation: FutureSmart Bundle Version 4.7.3

## **ENHANCEMENT:**

Base:

- No New Updates – Original Release

Digital Sending:

- No New Updates – Original Release

Analog Fax:

- No New Updates – Original Release

Security/Authentication:

- No New Updates – Original Release

Embedded JetDirect:

- No New Updates – Original Release

## **FIXES:**

Base:

- No New Updates – Original Release

Digital Sending:

- No New Updates – Original Release

Analog Fax:

- No New Updates – Original Release

Security/Authentication:

- No New Updates – Original Release

Embedded JetDirect:

- No New Updates – Original Release

Current firmware revisions included in this firmware bundle:

#### DEVICE FIRMWARE REVISION

COMPONENT	FIRMWARE VERSION
HP LASERJET MANAGED E52645 SERIES	Firmware Datecode: 20190408 Firmware Revision: 2407346_045653
Embedded JetDirect:	JSI24070006
DC Controller Version	4.130
Optional Trays Versions	4.108
Fax	Ver11.4A
HP Fleet Release Designation	Original Release FutureSmart 4.7.3
MD5 checksum for .bdl file	914c5e476bb83070cd52a7e8e05e6e4e

No Previous Releases – Original Version

#### Installation Instructions

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**NOTE:** Please be aware that an update in some circumstances may require 10 minutes or more to complete.

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You can send the firmware update to a device at any time; the device will wait for all I/O channels to become idle before cycling power.

Please print a configuration page prior to performing any firmware update. To print the configuration page:

1. Go to the printer's control panel.
2. Swipe left and select the **Reports** menu.
3. Select the **Configuration/Status Pages** menu.
4. Select the **Configuration Page** option.
5. Select the **Print**.

On the printed Configuration page look in the section marked "Device Information" for the Firmware Datecode and Firmware Revision. The Firmware Datecode and Firmware Revision will look something like this:

Firmware Datecode: 20170315

Firmware Revision: 2403276\_005859

The elapsed time for an update depends on the I/O transfer time as well as the time that it takes for the printer to reinitialize. The I/O transfer time depend on the speed of the host computer sending the update and the I/O method (USB or network).

The re-initialization time will depend on the specific hardware configuration of the printer, such as the number of EIO devices installed, the presence of external paper handling devices, and the amount of memory installed. Finally, any print jobs ahead of the firmware job in the queue will be printed before the update is processed.

---

**NOTE:** When the update process has completed the LaserJet will need to be rebooted. Once the printer is back online, print a Configuration Page and verify that the new firmware has been installed.

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## **Additional information to know**

The firmware file will be in the following file format “xxxxxxx.bdl” where “xxx” indicates the firmware file name and the “.bdl” is the files extension.

This file requires an interactive update method. You cannot update the printer using the traditional FTP, LPR or Port 9100 methods of upgrading. Please use one of the following methods listed below to update the firmware of this device.

## **How to perform firmware upgrades.**

**Embedded Web Server:** (control panel is at a Ready screen)

After uncompressing the file you will see a xxxxxxx.bdl file.

1. Open an Internet Browser Window.
2. Enter the IP address in the URL line.
3. Select the **Firmware Upgrade** link from within the General tab.
4. Select **Choose File** and browse to the location that the firmware upgrade file was downloaded to, and then select the firmware file.
5. Select the **Install** button to perform the upgrade.

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**NOTE:** Do not close the Browser Window or interrupt communication until the Embedded Web Server displays the Confirmation Page.

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6. The printer will automatically reboot unless you are downgrading. If downgrading Firmware you will be prompted to select the Rollback option.

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**NOTE:** Please be aware that an update in some circumstances may require 10 minutes or more to complete.

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Once the printer or MFP is back online, print a Configuration Page and verify that the new firmware has been installed.

### **Walk-up USB thumb drive:** (Standard control panel menu)

After uncompressing the file you will see a xxxxxxxx.bdl file.

1. Copy the xxxxxxxx.bdl file to a portable USB flash memory storage device (thumb drive).

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**NOTE:** USB Flash Drives that are not in a Fat32 format or having a CD formatted partition may not be recognized by the printer. You may need to try a different USB flash drive.

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2. Turn the printer ON.
3. Swipe to the left and select the **Support Tools** application.
4. Select the **Maintenance** menu
5. Select the **USB Firmware Upgrade** menu.
6. Insert the portable USB storage device with the xxxxxxxx.bdl file on it into the USB port on the front control panel of the product.
7. Select the xxxxxxxx.bdl file you would like to use.

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**NOTE:** If there is more than one xxxxxxxx.bdl file on the storage device, make sure that you select the correct file for this product.

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8. Select the **Install** button on the bottom of the screen.
9. Select the **Upgrade, Re-install or Downgrade** option depending on the task you are performing. The firmware upload process will begin.

When the upload is complete, the printer will reboot automatically and start the upgrade process.

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**NOTE:** The upgrade process may take up to 10 minutes to complete. Please do not interrupt the updating process.

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Once the printer or MFP is back online, print a Configuration Page and verify that the new firmware has been installed.

### **Pre-Boot walk-up USB thumb drive:** (control panel Pre-Boot menu)

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**NOTE:** Only to be used if the printer is not able to boot to READY

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After uncompressing the file you will see a xxxxxxxx.bdl file.

1. Copy the xxxxxxxx.bdl file to a portable USB flash memory storage device (thumb drive).

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**NOTE:** USB Flash Drives that are not in a Fat32 format or having a CD formatted partition may not be recognized by the printer. You may need to try a different USB flash drive.

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2. Turn the printer ON.
  3. Press the **HP** logo in the middle of the screen when you see the "**1/8**" under the logo.
  4. Press the Down arrow to highlight **Administrator**, and then press OK.
  5. Press the Down arrow to highlight **Download**, and then press OK.
  6. Insert the portable USB storage device with the xxxxxxxx.bdl file on it.
  7. Press the Down arrow to highlight **USB Thumbdrive**, and then press OK.
  8. Press the Down arrow to highlight the xxxxxxxx.bdl file, and then press OK.
- 

**NOTE:** Please make sure the firmware file is located in the root directory of the flash drive. If you have more than one .bdl file on your USB flash drive, select the file you want loaded and press OK.

Please be patient since this may take up to 10 minutes to complete.

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9. When the message **Complete** appears on the control panel display, power cycle the printer.
  10. The printer will start the upgrade process and will continue to boot to the Ready state.
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**NOTE:** Please be patient since this may take up to 10 minutes to complete.

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Once the printer or MFP is back online, print a Configuration Page and verify that the new firmware has been installed.

## **Web Jetadmin** (Supported with version 10.4 SR1 with FP4 or newer)

Please visit [www.hp.com](http://www.hp.com) and type "Web Jet Admin" in the "Search" Box to find more information about new releases of Web Jetadmin and the release note information for those releases.

### Upgrading Firmware:

1. Start Web Jetadmin 10.4 SR1 with FP4 or newer
2. From the "Device Management" section, select "All Devices" (or the appropriate device group). An "All Devices" list will appear in the center window.
3. Find your device in the list, or type the IP address of the device in the Quick Device Discovery section in the lower-left of the screen (this will highlight your device in the device list). You can sort the device list by clicking on a column name at the top.

4. If your device list is sorted by model number, you may select multiple devices with the same model number by Control-Click or Shift-Click.
5. Right-click on the device and select "Upgrade firmware...".
6. An Upgrade Firmware window will appear. Select "Device firmware" and click "Next".
7. A list of available firmware will appear. If the correct version is listed, click "Next", and the upgrade process will start.

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**NOTE:** If the correct firmware version does not appear within the list, you will need to manually upload it into WJA. New firmware may be available on an FTP site prior to appearing on hp.com. The instructions below allow you to upload a firmware file from your local PC to WJA 10.4 SR1 with FP4 or newer

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#### Uploading new firmware files into WJA:

1. Click on "Firmware/Firmware Repository" in the "Device Management" pane
2. A "Firmware Repository" window will appear in the center of the screen
3. Click on "Upload" in the upper-right of the window
4. Browse to the .bdl file on your local PC
5. Click "Upload"
6. Once the .bdl file is uploaded, go back to step 2 in the first section and complete steps 2 through 6.

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**NOTE:** Do not turn printer off during the update process! When the update process is complete, the printer will automatically reboot. If the firmware update process fails, Web JetAdmin will provide notification with a page (screen) of information regarding the reason(s) for failure. A link will be provided to attempt the process again.

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## **System Requirements**

The Firmware upgrade process requires a network or USB port connection.

## **Technical Assistance**

Some of the services below are provided for the United States only. Similar services to those listed below are available in other countries. See your printer's user guide or call your local authorized HP dealer.

## **Customer Support**

See your printer's user guide or call your local authorized HP dealer.

## **Internet**

An anonymous FTP library service is available worldwide for around-the-clock access to drivers and technical support information for HP peripheral and computer products.

Please note that paths may change without notice. Access the Internet or FTP address and use the menus to locate the software or support of your choice.

## **URL for HP LASERJET ENTERPRISE MFP M528 and Managed E52645 SERIES Support:**

URL for Firmware downloads:

[www.hp.com/support/ljE52645](http://www.hp.com/support/ljE52645)

URL for Support:

<http://www.hp.com/go/support>

URL for Access HP: <http://www.hp.com>

FTP address: <ftp.hp.com>

Login: anonymous

Password: your Internet email address

## **Additional Information**

Refer to your printer's user guide for additional methods of obtaining software and support information, such as printer driver distribution centers other online services, fax services, and other online support.

## **Legal Statements**

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