

BarDIMM Pro

Supported Devices List – October 2022

List of HP printers SFPs and MFPs supported by BarDIMM Pro

The following list is only for HP printers that support the internal BarDIMM Pro firmware solution.

Please read [Important Notes on HP Firmware compatibility below](#):

New HP models are in bold.

M/E 4xx Models	
HP Printer model	Part number
LJ Managed E400	JM30100Z
LJ Enterprise M406dn/M407dn	JM30100Z
LJ Managed MFP E425f	JM30100Z
LJ Enterprise MFP M430f/M431f	JM30100Z
CLJ Managed E450dn	JM30100Z
LJ M455 MFP	JM30100F
CLJ Enterprise M455dn	JM30100Z
CLJ Managed MFP E475f	JM30100Z
CLJ Enterprise MFP M480f	JM30100Z

Further information follows:

M/E 5xx Models	
HP Printer model	Part number
LJ Managed E506	JM30100X
LJ Enterprise M506	JM30100X
LJ Enterprise M507	JM30100X
LJ Managed MFP E525	JM30100X
LJ Enterprise 500/M525 MFP	JM30100X
LJ Managed MFP E527	JM30100X
LJ Enterprise MFP M527	JM30100X
LJ Enterprise MFP M528	JM30100X
LJ Enterprise 500/M551	JM30100F

LJ Enterprise 500/M552	JM30100F
LJ Managed E553	JM30100X
LJ Enterprise 500/M553	JM30100X
CLJ Enterprise 500/M554	JM30100X
CLJ Enterprise 500/M555	JM30100X
PageWide PageWide Enterprise Color 556	JM30100X
LJ Managed MFP E575	JM30100X
LJ Enterprise 500/M575 MFP	JM30100X
LJ Managed MFP E577	JM30100X
LJ Enterprise MFP M577	JM30100X
CLJ Enterprise MFP M578 Series	JM30100X
PageWide Enterprise Color MFP 586	JM30100X
LJ Managed E500	JM30100X
LJ Managed E501	JM30100X
LJ Managed MFP E525	JM30100X
LJ Managed MFP E526	JM30100X
LJ Managed E550 series	JM30100X
LJ E550	JM30100X
PageWide Managed Color E556	JM30100X
LJ Managed MFP E575	JM30100X
PageWide Managed Color MFP E586	JM30100X

Further information follows:

M/E 6xx Models	
HP Printer model	Part number
LJ Enterprise 600/M601	JM30100F
LJ Enterprise 600/M602	JM30100F
LJ Enterprise 600/M603	JM30100F
LJ Enterprise M604	JM30100X
LJ Enterprise M605	JM30100X
LJ Managed M605	JM30100X
LJ Enterprise M606	JM30100X

LJ Enterprise M607	JM30100X
LJ Enterprise M608	JM30100X
LJ Enterprise M609	JM30100X
LJ Enterprise M610	JM30100X
LJ Enterprise M611	JM30100X
LJ Enterprise M612	JM30100X
LJ Managed MFP E625xx	JM30100X
LJ Managed MFP E626xx	JM30100X
LJ Enterprise MFP M630	JM30100F
LJ Managed MFP E630	JM30100X
LJ Enterprise MFP M631	JM30100X
LJ Enterprise MFP M632	JM30100X
LJ Enterprise MFP M633	JM30100X
LJ Enterprise MFP M634	JM30100X
LJ Enterprise MFP M635	JM30100X
LJ Enterprise MFP M636	JM30100X
LJ Managed MFP E650	JM30100X
LJ Managed E651	JM30100X
LJ Enterprise M651	JM30100F
LJ Managed M651	JM30100X
LJ Enterprise M652	JM30100X
LJ Enterprise M653	JM30100X
LJ Managed MFP E675xx	JM30100X
LJ Managed MFP E676xx	JM30100X
LJ Enterprise M680 MFP	JM30100F
LJ Managed MFP M680	JM30100X
LJ Enterprise M681 MFP	JM30100X
LJ Enterprise M682 MFP	JM30100X

Further information follows:

M/E 7xx Models	
HP Printer model	Part number
LJ Enterprise 700/M712	JM30100F
LJ Managed MFP E724xx	JM30100X
LJ Enterprise 700/M725xx	JM30100F
LJ Managed MFP E725xx	JM30100X
LJ Managed MFP M725xx	JM30100X
LJ Managed MFP E730xx	JM30100Y (USB-C) / JM30100Z (USB-A)*
LJ Managed MFP E731xx	JM30100Y (USB-C) / JM30100Z (USB-A)*
LJ Enterprise M750	JM30100F
PageWide Managed E751	JM30100X
LJ Enterprise M751	JM30100F
LJ Managed E752xx	JM30100X
PageWide Managed P752xx**	JM30100X
PageWide Enterprise 755	JM30100X
PageWide Enterprise 765	JM30100X
LJ Managed MFP E774xx	JM30100X
PageWide Managed P774xx**	JM30100X
LJ Enterprise 700/M775 MFP	JM30100F
LJ Managed MFP E775	JM30100X
LJ Enterprise M776 MFP	JM30100F
PageWide Managed MFP E776	JM30100X
LJ Managed MFP E778xx	JM30100X
PageWide Managed MFP P779xx**	JM30100X
PageWide Enterprise MFP 780	JM30100X
CLJ Managed MFP E783xx	JM30100X
CLJ Managed MFP E785xx	JM30100Y (USB-C) / JM30100Z (USB-A)*
PageWide Enterprise MFP 785	JM30100X
CLJ Managed MFP E786xx	JM30100Y (USB-C) / JM30100Z (USB-A)*

Further information follows:

M/E 8xx Models	
HP Printer model	Part number
LJ Enterprise M806	JM30100F
LJ Managed MFP E826xx	JM30100Y (USB-C) / JM30100Z (USB-A)*
LJ Enterprise M830 flow MFP	JM30100F
LJ Managed Flow MFP E830	JM30100X
LJ Enterprise M855	JM30100F
LJ Enterprise M856	JM30100F
LJ Enterprise M880 flow MFP	JM30100F
LJ Managed Flow MFP M880	JM30100X
LJ Managed MFP E825xx	JM30100X
LJ Managed E850	JM30100X
LJ Managed MFP E876xx	JM30100X
CLJ Managed MFP E877xx	JM30100Y (USB-C) / JM30100Z (USB-A)*
<p>* Order JM30100Y if the printer is equipped with the optional HP internal USB-C expansion kit 4XN67A, otherwise order JM30100Z and connect the USB stick to the internal USB connector serving the front panel walkup USB plug.</p>	
<p>** Requires 4.8.1 firmware version or newer</p>	

Notes:

- HP Futuresmart printer models released from January 2021 are of the “Futuresmart Modern” generation and use the JM30100Z USB Stick
- Any printer not using the JM30100Z BarDIMM pro part number is of the “futuresmart Classic” generation
- Cable adapter for some printers without USB connector (JM30100X)
- N/TN/DTN/DN/X/XH versions of these printers are also supported.
- Printers must have one host USB slot available for this solution.
- Other printer models may be supported in the near future. Please contact us if you need more information.
- Older devices can be supported using the BarDIMM Box.
- Larger Fleets can be supported by BarSTORM VM (Virtual Machine).
- BarDIMM Pro USB sticks are specific to a printer OS Generation and cannot be plugged into other models.

Other Printers, SFP's & MFPs with full PCL5e language capability can benefit from BarDIMM Pro features using Single printer [BarDIMM Box](#) or Multi Device [BarSTORM VM](#) solutions.

Release notes

- 8th of April 2022
Firmware 5.3 and 5.4 compatibility
On the following printers the BarDIMM Pro intelligence is not called when the PCL print job does not start and end with the standard PJI encapsulation:
LJ Enterprise M406dn/M407dn
LJ Enterprise MFP M430f/M431f
CLJ Enterprise M455dn
CLJ Enterprise MFP M480f
LJ Managed MFP E42540f
CLJ Managed E45028dn
CLJ Managed MFP E47528f

Note that when this problem happens and you are printing 1D barcodes, some short barcode bars may appear on the page. It does not mean BarDIMM Pro is called by the printer, actually those bars are failover scalable fonts from the HP printers (and unusable), they are not from BarDIMM Pro.

Symptoms:

BarDIMM Pro appears as loaded and licensed on the printer configuration page but barcodes are not printed.

When sending the BarDIMM Pro test files to the printer, barcodes are replaced with text characters and some very large black characters appear on some of the page.

Origin of the issue:

Printer firmware defect.

Workaround:

Ensure all your print jobs comply fully with the hp PCL/PJI standard by starting with the following sequence:

```
<Esc>%-12345X@PJI<LF>
```

```
@PJI ENTER LANGUAGE=PC<LF>
```

and ending with this sequence of bytes:

```
<Esc>%-12345X
```

where <Esc> is ASCII code 27, hexadecimal 1B, and <LF> is ASCII code 10, hexadecimal 0A

- 2nd of September 2021
Firmware 5.2 compatibility
Good news, with BarDIMM Pro 8.4A4M released the 2nd of September 2021, the following printer models can now run HP Futuresmart 5.2 firmware together with BarDIMM Pro:
LJ Enterprise M406dn/M407dn
LJ Enterprise MFP M430f/M431f
CLJ Enterprise M455dn
CLJ Enterprise MFP M480f
LJ Managed MFP E42540f
CLJ Managed E45028dn
CLJ Managed MFP E47528f
- 20th of August 2021
Firmware 5.2 compatibility
The following printer models need to remain with firmware Futuresmart 5.1.x:
LJ Enterprise M406dn/M407dn
LJ Enterprise MFP M430f/M431f
CLJ Enterprise M455dn
CLJ Enterprise MFP M480f
LJ Managed MFP E42540f
CLJ Managed E45028dn
CLJ Managed MFP E47528f
- 20th of April 2021
Crash 49.38.13 with HP Futuresmart firmware releases between 4.11.0.2 and Futuresmart 5.1
Some random crash 49.38.13 may happen when the BarDIMM Pro is installed in the printer equipped with that firmware and other solutions.
The defect is fixed in HP Futuresmart 5.2 firmware.
If your HP printer does not have Futuresmart 5.2 available, we recommend you downgrade to Futuresmart 4.11.0.1.

- 20th of January 2021
New HP Printers released from January 2021 need a new generation BarDIMM Pro stick
From now on there are 2 categories of HP Futuresmart printers:
Classic: that's all HP Futuresmart printers released before 2021, they support Futuresmart 4 (FS4) and some will support Futuresmart5 (FS5)
Modern: that's all HP Futuresmart printers released after Jan 1, 2021, they come with FS5 and don't support FS4.

Classic and Modern printers are binary-incompatible (like software for Windows and Mac are not compatible).
Plugging a current BarDIMM Pro Print USB stick in one of the new printers won't work.
A new BarDIMM Pro for those printers has been developed.

What happens to Futuresmart Classic printers supporting FS4?

Most will get a Futuresmart 5 update, 100% compatible with FS4

How to use BarDIMM on the new HP Futuresmart Modern printers not supporting FS4?

The new Futuresmart Modern printers will use the new BarDIMM Pro white stick, it has a new part number: JM30100Z.
All the new Futuresmart Modern printers supporting embedded BarDIMM Pro are listed above.

- 3rd of February 2020, updated 13th of July, 2020
Compatibility with HP Futuresmart 4.10.0 firmware
HP Futuresmart firmware 4.10.x being even more recent than 4.7.1, it requires BarDIMM Pro version 8.4A1 or newer.
Clients under maintenance and support contract can request the upgrade from our support, through the [contact form](#).

HP Futuresmart firmware 4.10.0.1 has a defect on HP Single Functions Printers (SFP) such as the M607/M608/M609.
It loads multiple times solutions instead of just once. This results in corrupted print job data.
This problem and the solution can easily be diagnosed by checking the printer configuration page, where repeated lines about BarDIMM Pro being "Enabled" appear. Solution: downgrade the printer firmware to a version earlier than 4.10.0.1, or upgrade the firmware when HP releases a fix

- 2nd of January 2019
Compatibility with HP Futuresmart 4.7.1 and newer
Firmware 4.7.1 introduces a new security where print solution packages need to comply with a new code signature mechanism to be installed.
BarDIMM Pro 8.4A1 and newer versions include that new mechanism.
If BarDIMM Pro was installed prior to the printer upgrade to HP Futuresmart 4.7.1 then you don't need to update BarDIMM as the new mechanism controls the installation of the solution.
For all other cases you need to upgrade the BarDIMM Pro USB stick to version 8.4A1.

More than one solution installed in the HP printer?

If you have more than one solution in a HP LaserJet Enterprise with Futuresmart 4.x firmware, BarDIMM must be the first solution that's installed, otherwise the printer won't run BarDIMM code after the reboot and no barcode will be printed. This problem did not appear with Futuresmart 3, the workaround is to ensure BarDIMM is installed first.

Q&A

Q: What happens if I don't use BarDIMM Pro 8.2 20171117 or newer with the HP FutureSmart 4 firmware?

A: BarDIMM Pro will be installed but will not license itself, "BarDIMM demo" will be printed across pages with barcodes

Q: Can BarDIMM Pro 8.2 20171117 or newer for FutureSmart 4 also work on HP printers and MFP with FutureSmart 3 firmware?

A: Yes it does