



# Network and USB Printing Port Separation in HP Enterprise Printing Devices

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## Overview

This document details the design of hardware and system firmware components that prevent communication between the HP printer network interface and the USB printing port.

## Physical Input – Output Hardware Isolation

The HP printer ports and network interface are implemented as separate physical Input/Output (I/O) hardware devices. There is no Direct Memory Access (DMA) connection between the I/O hardware busses. Select the Enable CCC Logging checkbox to activate the logging of advanced security events.

## Input – Output Communications

Communication of data through the I/O devices is directed by the printer's system firmware. There are no commands in the system to direct the transfer of data from the USB printing port to the network LAN port.

## Limited USB Printing Port Command Set

The USB printing functions of the MFP are designed only to negotiate printing functionality for the printer. The USB printing commands do not provide a pathway or support commands necessary for network communications.

## Supported HP Enterprise Printers

The following HP Enterprise printers support a USB 2.0 printing port.

### HP Color LaserJet

Device Model Name	Intro Year
HP Color LaserJet CP5525 series	2010
HP Color LaserJet CM4540 MFP series	2010
HP LaserJet Enterprise 500 color M551 series	2011
HP LaserJet Enterprise 500 color Flow MFP M575c	2012
HP LaserJet Enterprise 500 Color MFP M575 series	2012
HP LaserJet Enterprise 700 Color MFP M775 series	2012
HP Color LaserJet Enterprise M750 series	2013
HP Color LaserJet Enterprise M855 series	2013
HP Color LaserJet Flow Multifunction M880 series	2013
HP Color LaserJet Enterprise Flow MFP M680z	2014
HP Color LaserJet Enterprise MFP M680 series	2014
HP Color LaserJet M651 series	2014
HP Color LaserJet Enterprise Flow MFP M577 series	2015
HP Color LaserJet Enterprise M552 series	2015
HP Color LaserJet Enterprise M553 series	2015
HP Color LaserJet Enterprise MFP M577 series	2015
HP Color LaserJet Managed Flow MFP M577cm	2015
HP Color LaserJet Managed Flow MFP M680zM	2015
HP Color LaserJet Managed M553 series	2015

<b>Device Model Name</b>	<b>Intro Year</b>
HP Color LaserJet Managed M651 series	2015
HP Color LaserJet Managed MFP M577dnm	2015
HP Color LaserJet Managed MFP M680dnm	2015
HP Color LaserJet Managed MFP M775 series	2015
HP Color LaserJet Enterprise Flow MFP M681 series	2017
HP Color LaserJet Enterprise Flow MFP M682z	2017
HP Color LaserJet Enterprise M652 series	2017
HP Color LaserJet Enterprise M653 series	2017
HP Color LaserJet Enterprise MFP M681 series	2017
HP Color LaserJet Managed E65050dn	2017
HP Color LaserJet Managed E65060dn	2017
HP Color LaserJet Managed Flow MFP E67550dh	2017
HP Color LaserJet Managed Flow MFP E67560z	2017
HP Color LaserJet Managed Flow MFP E77822z	2017
HP Color LaserJet Managed Flow MFP E77825z	2017
HP Color LaserJet Managed Flow MFP E77830z	2017
HP Color LaserJet Managed Flow MFP E87640z	2017
HP Color LaserJet Managed Flow MFP E87650z	2017
HP Color LaserJet Managed Flow MFP E87660z	2017
HP Color LaserJet Managed MFP E77822dn	2017
HP Color LaserJet Managed MFP E77825dn	2017
HP Color LaserJet Managed MFP E77830dn	2017
HP Color LaserJet Managed MFP E87640dn	2017
HP Color LaserJet Managed MFP E87650dn	2017
HP Color LaserJet Managed MFP E87660dn	2017

## HP LaserJet

<b>Device Model Name</b>	<b>Intro Year</b>
HP LaserJet Enterprise M4555 MFP	2011
HP LaserJet Enterprise 600 M601 series	2011
HP LaserJet Enterprise 600 M602 series	2011
HP LaserJet Enterprise 600 M603 series	2011
HP LaserJet Enterprise 500 MFP M525 series	2012
HP LaserJet Enterprise 700 Printer M712 series	2012
HP LaserJet Enterprise Flow MFP M525	2012
HP LaserJet Enterprise M806 series	2013
HP LaserJet Flow MFP M830 series	2013
HP LaserJet Enterprise Flow MFP M630 series	2014
HP LaserJet Enterprise MFP M630 series	2014
HP LaserJet Enterprise 700 MFP M725	2015
HP LaserJet Enterprise Flow MFP M527 series	2015
HP LaserJet Enterprise M506 series	2015
HP LaserJet Enterprise M604 series	2015

<b>Device Model Name</b>	<b>Intro Year</b>
HP LaserJet Enterprise M605 series	2015
HP LaserJet Enterprise M606	2015
HP LaserJet Enterprise MFP M527 series	2015
HP LaserJet Enterprise MFP M725 series	2015
HP LaserJet Managed Flow MFP M527cm	2015
HP LaserJet Managed Flow MFP M630 series	2015
HP LaserJet Managed Flow MFP M830zm	2015
HP LaserJet Managed M506 series	2015
HP LaserJet Managed M605 series	2015
HP LaserJet Managed MFP M527dn	2015
HP LaserJet Managed MFP M630hm	2015
HP LaserJet Enterprise Flow MFP M631h	2017
HP LaserJet Enterprise Flow MFP M633z	2017
HP LaserJet Enterprise M607 series	2017
HP LaserJet Enterprise M608 series	2017
HP LaserJet Enterprise M609 series	2017
HP LaserJet Enterprise MFP M631 series	2017
HP LaserJet Enterprise MFP M632 series	2017
HP LaserJet Enterprise MFP M633fh	2017
HP LaserJet Managed E60055	2017
HP LaserJet Managed E60065 series	2017
HP LaserJet Managed E60075 series	2017
HP LaserJet Managed Flow MFP E62565 series	2017
HP LaserJet Managed Flow MFP E62575z	2017
HP LaserJet Managed Flow MFP E72525z	2017
HP LaserJet Managed Flow MFP E72530z	2017
HP LaserJet Managed Flow MFP E72535z	2017
HP LaserJet Managed Flow MFP E82540z	2017
HP LaserJet Managed Flow MFP E82550z	2017
HP LaserJet Managed Flow MFP E82560z	2017
HP LaserJet Managed MFP E62555	2017
HP LaserJet Managed MFP E62555dn	2017
HP LaserJet Managed MFP E62565hs	2017
HP LaserJet Managed MFP E62575	2017
HP LaserJet Managed MFP E72525dn	2017
HP LaserJet Managed MFP E72530dn	2017
HP LaserJet Managed MFP E72535dn	2017
HP LaserJet Managed MFP E82540dn	2017
HP LaserJet Managed MFP E82550dn	2017
HP LaserJet Managed MFP E82560dn	2017

## HP Officejet Enterprise

Device Model Name	Intro Year
HP Officejet Enterprise Color X555xh	2013
HP Officejet Enterprise Color Flow MFP X585	2014
HP Officejet Enterprise Color MFP X585 series	2014
HP Officejet Managed Color MFP X585 series	2015

## HP PageWide

Device Model Name	Intro Year
HP PageWide Enterprise Color 556 series	2016
HP PageWide Enterprise Color Flow MFP 586z	2016
HP PageWide Enterprise Color MFP 586 series	2016
HP PageWide Managed Color E55650dn	2016
HP PageWide Managed Color Flow MFP E58650z	2016
HP PageWide Managed Color MFP E58650dn	2016
HP PageWide Managed Color Flow MFP E77660 series	2017
HP PageWide Managed Color MFP E77650 series	2017

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