



HP LaserJet Pro – Security for USB and network connected printers

Security Level: Public

Overview

HP LaserJet Pro printers have guaranteed secure separation between USB and Network resources and their communications. The firmware architecture and design separates the USB processing circuitry and the network controller, preventing system components that control the USB hardware from accessing the network hardware. Similarly, the network hardware components cannot access the USB hardware and functions.

Data cannot be sent via the USB circuitry into the network or used to directly communicate with other resources on the network.

When connected via USB, the printer can perform a limited number of functions. Only data relevant to these functions can be shared via USB communication. This includes Print, Scan, Fax, Device Status, and Configuration functions for which data may be sent from, or received by, the printer.

Sending and receiving of this limited data through USB can only occur by using the USB Protocol Specification. The USB protocol cannot be used to directly transmit data or to directly communicate over the network. The printer can only maintain one USB connection at a time by physically connecting to the printer via a USB cable.

Supported LaserJet Pro Printers

HP LaserJet Pro Color MFP M175
HP LaserJet Pro M201
HP LaserJet Pro M202
HP LaserJet Pro MFP M225
HP LaserJet Pro MFP M226
HP LaserJet Pro Color M251
HP LaserJet Pro Color MFP M275
HP LaserJet Pro Color MFP M276
HP LaserJet Pro Color M351
HP LaserJet Pro Color MFP M375
HP LaserJet Pro M401
HP LaserJet Pro MFP M425
HP LaserJet Pro MFP M435
HP LaserJet Pro Color M451
HP LaserJet Pro Color MFP M475
HP LaserJet Pro Color MFP M476

HP LaserJet Pro MFP M521
HP LaserJet Pro Color MFP M570
HP LaserJet Pro M701
HP LaserJet Pro M706
HP LaserJet Pro MFP M1536