Designjet HD Pro Scanner Series

Certificate of Volatility

Introduction

The following statement regards the volatility of customer data stored in HP Designjet HD Pro Scanner Series memory devices and hard disk drives.

The device uses volatile memory to store customer data during the scanning process; when the scanner is turned off, this volatile memory is erased. The scanner uses non-volatile memory to store device configuration information; this non-volatile information is used to initialize the volatile memory when the scanner is turned on, and during job processing. The printer also contains a hard disk drive that retains data after the scanner is powered off.

Volatile memory

HP Designjet HD Pro Scanner Series volatile memory includes:

- **Panel PC - Main RAM memory** 2048 Mbytes by default. Used as system memory. All information is erased when the printer is powered off.
- **Scanner Module - RAM memory** 128 Mbytes. Used as system memory. All information is erased when the printer is powered off.
- **Scanner Module - RAM memory** 1 Mbyte. Used for the Ethernet PHY. All information is erased when the printer is powered off.
- **Panel PC - Other volatile memory** used as the main memory for some ASICs or as microprocessor cache.

Non-volatile memory

HP Designjet HD Pro Scanner Series non-volatile memory components include:

- **Panel PC - NVRAM – BIOS** 64 Mbytes. Does not contain user data. Its purpose is to act as the bootloader for the BIOS.

- **Panel PC - NVM in Gigabit Ethernet connection** 64 Kbytes. Contains control parameter information for the Gigabit Ethernet ports.
- **Scanner Module – EEPROM** 32 Mbytes. Mounted on a chip in the main board. Does not contain user data. Contains scanner cameras' program and calibration data.
- **Scanner Module – FRAM** 2 kbytes. Mounted on a chip in the main board. Contains Statistic data.

Hard Disk drives

The Scanner's Panel PC contains a 500 Gbyte hard disk drive, with various purposes. It is not possible to operate the device without the hard disk drive.

User information can be stored in 2 different hard disk drive partitions, and can include:

- Calibration data
- User scanned images
- Accounting information
- Usage information
- Temporary scan files that can be erased from the queue by users
- Printer settings, usage information, and accounting information that can be erased by service engineers