

## Hewlett-Packard Certificate of Volatility

<b>Model:</b> <b>HP Color LaserJet Enterprise Flow M681, M682 series</b>	<b>Part Number:</b> <b>Enterprise</b> J8A13A=M681Z J8A17A=M682Z	<b>Address:</b> Hewlett Packard Company 11311 Chinden Blvd Boise, ID 83714
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### Volatile Memory

Does the device contain volatile memory (Memory whose contents are lost when power is removed)?

Yes  No If Yes please describe the type, size, function, and steps to clear the memory below

Type (SRAM, DRAM, etc): DDR3 - DRAM	Size: 2.5GB	User Modifiable:  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Used for temporary storage during the process of jobs, and for applications that are running on the OS.	Steps to clear memory: When the printer is powered off the memory is erased.
Type (SRAM, DRAM, etc):	Size:	User Modifiable:  <input type="checkbox"/> Yes <input type="checkbox"/> No	Function:	Steps to clear memory:
Type (SRAM, DRAM, etc):	Size:	User Modifiable:  <input type="checkbox"/> Yes <input type="checkbox"/> No	Function:	Steps to clear memory:

### Non-Volatile Memory

Does the device contain non-volatile memory (Memory whose contents are retained when power is removed)?

Yes  No If Yes please describe the type, size, function, and steps to clear the memory below

Type (Flash, EEPROM, etc): IOD EEPROM	Size: 32KB	User Modifiable:  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Store customer setting data for backup/restore	Steps to clear memory: There are no steps to clear this data.
Type (Flash, EEPROM, etc): SPI Flash	Size: 4MB	User Modifiable:  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Function: Contains the boot code and factory product configuration data required for the device to function. User modifications are limited to downloading digitally signed HP firmware images.	Steps to clear memory: There are no steps to clear this data
Type (Flash, EEPROM, etc):	Size:	User Modifiable:  <input type="checkbox"/> Yes <input type="checkbox"/> No	Function:	Steps to clear memory:

### Mass Storage

Does the device contain mass storage memory (Hard Disk Drive, Tape Backup)?

Yes  No If Yes please describe the type, size, function, and steps to clear the memory below

Type (HDD, Tape, etc): HDD	Size: 320GB	User Modifiable:  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Function: Stores customer data, OS, applications, digitally signed firmware images, persistent data, and temporary data used for processing and system functions	Steps to clear memory: There are several ways to erase this: 1. Secure Storage Erase - Erases temporary files and job data by overwriting information one or three times 2. Secure Disk Erase - Industry standard ATA Secure Erase. Overwrites all data on the hard drive. 3. Secure File Erase - Erases files when jobs finish processing by overwriting them one or three times.
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### USB

Does the item accept USB input and if so, for what purpose (i.e Print Jobs, device firmware updates, scan upload)?

Yes  No If Yes please describe below

Print jobs, HP digitally signed firmware upgrades, 3rd party application loading. USB ports can be disabled.

Can any data other than scan upload be sent to the USB device)?

Yes  No If Yes please describe below

Diagnostic service logs can be uploaded. Print files can be printed via a USB thumb drive.

### RF/RFID

Does the item use RF or RFID for receive or transmit of any data including remote diagnostics. (e.g. Cellular phone, Bluetooth)  Yes  No If Yes please describe below

Purpose:

Frequency:

Bandwidth:

Modulation:

Effective Radiate Power (ERP):

Specifications:

### Other Transmission Capabilities

Does the device employ any other methods of non-wired access to transmit or receive any data whatsoever (e.g. anything other than standard hard wired TCP/IP, direct USB, or parallel connections)?  Yes  No If Yes please describe below:

Purpose: WiFi Direct Print

Frequency: 2.4 GHz, 5GHz

Bandwidth: 2401 - 2495 MHz; depending on selected channel in 2.4GHz band.  
5180 - 5825 MHz; depending on selected channel in 5GHz band.

Modulation:

Effective Radiate Power (ERP):

Specifications: 802.11 b/g/n

### Other Transmission Capabilities

Does the device employ any other methods of non-wired access to transmit or receive any data whatsoever (e.g. anything other than standard hard wired TCP/IP, direct USB, or parallel connections)?  Yes  No If Yes please describe below:

Purpose: Device Beaconsing, Secure Print Apps

Frequency: 2.4 GHz

Bandwidth: 2400-2483.5 MHz; depending on selected channel.

Modulation:

Effective Radiate Power (ERP):

Specifications: BTLE4.0 compliant

### Other Capabilities

Does the device employ any other method of communications such as a Modem to transmit or receive any data whatsoever?  Yes  No If Yes please describe below:

Purpose:

Specifications:

### Author Information

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