HP Color LaserJet 6700, 6701, X654, X65455, X65465, MFP 6800, 6801, X677, X67755, X67765 - Certificate of Volatility

Review the certificates of volatility for the printer.

Certificate of Volatility

Review the certificates of volatility for the printers.

Figure 1 Certificate of Volatility SFP (1 of 3)

HP Inc. Certificate of Volatility		
Model(s): HP Color LaserJet Enterprise X654 HP Color LaserJet Enterprise X65455 HP Color LaserJet Enterprise X65465 HP Color LaserJet Enterprise 6700 HP Color LaserJet Enterprise 6701	**Part Number(s):** X654dn=6QQ00A X65455dn=49L02A X65465dn=49L04A 6700dn=6QN33A 6701dn=58M42A	**Address:** HP Inc. 1311 Chinden Blvd Boise, ID 83714

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.): DRAM	Size: 2GB	User Modifiable: ☐ Yes ☒ No	Function: Temporary storage for system operation and print buffer	Steps to clear memory: When the printer is powered off, the memory is erased.

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): EEPROM	Size: 32KB	User Modifiable: ☐ Yes ☒ 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	Size: 4MB	User Modifiable: ☐ Yes ☒ No	Function: BIOS	Steps to clear memory: There are no steps to clear this data

Figure 2 **Certificate of Volatility SFP (2 of 3)**

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.): eMMC (standard)	Size: 16GB	User Modifiable: ☒ Yes ☐ No	Function: Stores data (temporary data for jobs and stored jobs), system firmware, applications, digitally signed firmware images.	Steps to clear memory: Secure Erase Commands (Affects temporary job files and stored jobs). Initiate from the EWS or Jetadmin: • Non-secure fast erase (No overwrite). • Since job data is stored cryptographic form, it will be secure erased with each system restart for SFP only. MFP would retain the data. OR Pre-boot Menu (all data on eMMC including system firmware (FW), new FW image must be installed after): Secure Disk Erase
Type (HDD, Tape, etc.): HDD (optional)	Size: 500GB	User Modifiable: ☒ Yes ☐ No	Function: Stores data (temporary data for jobs and stored jobs), system firmware, applications, digitally signed firmware images.	Steps to clear memory: Secure Erase Commands (Affects temporary job files and stored jobs). Initiate from the EWS or Jetadmin: • Non-secure fast erase (No overwrite). • Secure Fast Erase (Overwrite 1 time). • Secure Sanitizing Erase (Overwrite 3 times) Affects temporary job files only. OR Pre-boot Menu (all data on HDD including system firmware (FW), new FW image must be installed after): • Secure Disk Erase • Erase Disk Initialization
Type (HDD, Tape, etc.): SSD (optional)	Size: 256GB	User Modifiable: ☒ Yes ☐ No	Function: Stores data (temporary data for jobs and stored jobs), system firmware, applications, digitally signed firmware images.	Secure Erase Commands (Affects temporary job files and stored jobs). Initiate from the EWS or Jetadmin: • Non-secure fast erase (No overwrite) • Since job data is stored cryptographic form, it will be secure erased with each system restart for SFP only. MFP would retain the data. OR Pre-boot Menu (all data on SSD including system firmware (FW), new FW image must be installed after): Secure Disk Erase

Figure 3 Certificate of Volatility SFP (3 of 3)

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
Explanation: Print Jobs and device firmware updates
Can any data other than scan upload be sent to the USB device? ☒ Yes ☐ No If Yes please describe below
Explanation: Triage data (which contain device configuration, event logs, crash logs, etc.), Backup files (backup/restore), and device configuration (to export and clone to other products of same model)

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, Optional (Not standard) ☐ No If Yes please describe below:	
Transmission Capabilities Purpose: Wi-Fi Direct Print (Optional)	
Frequency: 2.4 GHz, 5 GHz	Bandwidth: 2400- 2483.5 MHz; depending on selected channel in 2.4GHz band. 5170- 5835 MHz; depending on selected channel in 5GHz band.
Modulation: Multiple	Effective Radiate Power (ERP): <23 dBm (200mW)
Specifications: 802.11 a/b/g/n/ac	
Transmission Capabilities Purpose: Device Beaconing Secure Print Apps (Optional)	
Frequency: 2.4 GHz	Bandwidth: 2400- 2483.5 MHz; depending on selected channel.
Modulation:	Effective Radiate Power (ERP): <20 dBm (100mW)
Specifications: BTLE 5.0 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			
Name	Title	Email	Business Unit
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Date Prepared: 07/16/2024			

Figure 4 Certificate of Volatility MFP (1 of 3)

HP Inc. Certificate of Volatility		
Model(s): HP Color LaserJet Enterprise X677 HP Color LaserJet Enterprise X67755 HP Color LaserJet Enterprise X67765 HP Color LaserJet Enterprise 6800 HP Color LaserJet Enterprise 6801	**Part Number(s):** X677dn=6QQ01A X677zs=6QQ02A X677s=76H08A X677z=76H09A X677z+=6QQ03A+632P2A X67755dn=49K86A X67765dn=49K90A X67755zs=49K87A X67765zs=49K91A X67755z+=49K88A+632P2A X67765z+=49K92A+632P2A 6800dn=6QN35A 6800zf=6QN36A 6800zfsw=6QN37A 6800zfw+=6QN38A+632P1A 6801zfsw=76H10A 6801zfw+=76H11A+632P1A	**Address:** HP Inc. 11311 Chinden Blvd Boise, ID 83714

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): DRAM	Size: 6GB	User Modifiable: ☐ Yes ☒ No	Function: Temporary storage for system operation and print buffer	Steps to clear memory: When the printer is powered off, the memory is erased.

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): EEPROM	Size: 32KB	User Modifiable: ☐ Yes ☒ 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	Size: 4MB	User Modifiable: ☐ Yes ☒ No	Function: BIOS	Steps to clear memory: There are no steps to clear this data

Figure 5 Certificate of Volatility MFP (2 of 3)

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: 500GB	User Modifiable: ☒ Yes ☐ No	Function: Stores data (temporary data for jobs and stored jobs), system firmware, applications, digitally signed firmware images.	Steps to clear memory: Secure Erase Commands (Affects temporary job files and stored jobs). Initiate from the EWS or Jetadmin: • Non-secure fast erase (No overwrite) • Secure Fast Erase (Overwrite 1 time) • Secure Sanitizing Erase (Overwrite 3 times) Affects temporary job files only OR Pre-boot Menu (all data on HDD including system firmware (FW), new FW image must be installed after): • Secure Disk Erase • Erase Disk Initialization
Type (HDD, Tape, etc.): SSD (optional)	Size: 256GB	User Modifiable: ☒ Yes ☐ No	Function: Stores data (temporary data for jobs and stored jobs), system firmware, applications, digitally signed firmware images	Steps to clear memory: Secure Erase Commands (Affects temporary job files and stored jobs). Initiate from the EWS or Jetadmin: • Non-secure fast erase (No overwrite) • Since job data is stored cryptographic form, it will be secure erased with each system restart for SFP only. MFP would retain the data. OR Pre-boot Menu (all data on SSD including system firmware (FW), new FW image must be installed after): Secure Disk Erase

Figure 6 **Certificate of Volatility MFP (3 of 3)**

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
Explanation: Print Jobs, scan upload, and device firmware updates
Can any data other than scan upload be sent to the USB device? ☒ Yes ☐ No If Yes please describe below
Explanation: Triage data (which contain device configuration, event logs, crash logs, etc.), Backup files (backup/restore), and device configuration (to export and clone to other products of same model)

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, Optional (Not standard). ☐ No If Yes please describe below:	
Transmission Capabilities Purpose: Wi-Fi Direct Print (Optional)	
Frequency: 2.4 GHz, 5 GHz	Bandwidth: 2400- 2483.5 MHz; depending on selected channel in 2.4GHz band. 5170- 5835 MHz; depending on selected channel in 5GHz band.
Modulation: Multiple	Effective Radiate Power (ERP): <23 dBm (200mW)
Specifications: 802.11 a/b/g/n/ac	
Transmission Capabilities Purpose: Device Beaconing Secure Print Apps (Optional)	
Frequency: 2.4 GHz	Bandwidth: 2400- 2483.5 MHz; depending on selected channel.
Modulation:	Effective Radiate Power (ERP): <20 dBm (100mW)
Specifications: BTLE 5.0 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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Date Prepared: 07/16/2024			