HP LaserJet Pro 4201, 4202, 4203, 4301, 4302, 4303 - Certificate of Volatility

Review the certificates of volatility for the printer.

HP LaserJet Pro 4201, 4202, 4203, 4301, 4302, 4303 - Certificate of Volatility

Review the certificates of volatility for the printers.

Figure 1 Certificate of Volatility SFP non-wireless (1 of 2)

Hewlett-Packard Certificate of Volatility		
Model: HP Color LaserJet Pro 4201 HP Color LaserJet Pro 4202 HP Color LaserJet Pro 4203	Part Number: 4201dne= 4RA85E; 4201dn= 4RA85F; 4202dn= 4RA87F; 4203dn= 4RA89A	Address: Hewlett Packard Company 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: 512MB	User Modifiable: ☐ Yes ☒ No	Function: Used for temporary storage during the processing of jobs and for applications 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: ☐ Yes ☐ No	Function:	Steps to clear memory:
Type (SRAM, DRAM, etc):	Size:	User Modifiable: ☐ Yes ☐ 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): Flash	Size: 512MB	User Modifiable: ☐ Yes ☒ No	Function: Device FW	Steps to clear memory: NA
Type (Flash, EEPROM, etc): EEPROM	Size: 32KB	User Modifiable: ☒ Yes ☐No	Function: User setting parameters for printer	Steps to clear memory: Restore factory defaults from control panel or EWS
Type (Flash, EEPROM, etc):	Size:	User Modifiable: ☐ Yes ☐ 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):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Steps to clear memory:

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
Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.
Can any data other than scan upload be sent to the USB device)? ☒ Yes ☐ No If Yes please describe below
Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.

Figure 2 Certificate of Volatility SFP non-wireless (2 of 2)

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:	
Frequency:	Bandwidth:
Modulation:	Effective Radiate Power (ERP):
Specifications:	

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
	Technical Marketing Engineer		LES Boise CA
	Electrical Engineer		LES Boise R&D
Date Prepared: 8,2022			

Figure 3 Certificate of Volatility SFP wireless (1 of 2)

Hewlett-Packard Certificate of Volatility		
Model: HP Color LaserJet Pro 4201 HP Color LaserJet Pro 4202 HP Color LaserJet Pro 4203	Part Number: 4201dwe= 4RA86E; 4201dw= 4RA86F; 4202dwe= 4RA88E; 4202dw= 4RA88F; 4203dw= 5HH48A	Address: Hewlett Packard Company 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):	Size: 512MB	User Modifiable: ☐ Yes ☒ No	Function: Used for temporary storage during the processing of jobs and for applications 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: ☐ Yes ☐ No	Function:	Steps to clear memory: .
Type (SRAM, DRAM, etc):	Size:	User Modifiable: ☐ Yes ☐ 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): Flash	Size: 512MB	User Modifiable: ☐ Yes ☒ No	Function: Device FW	Steps to clear memory: NA
Type (Flash, EEPROM, etc): EEPROM	Size: 32KB	User Modifiable: ☒ Yes ☐No	Function: User setting parameters for printer	Steps to clear memory: Restore factory defaults from control panel or EWS
Type (Flash, EEPROM, etc):	Size:	User Modifiable: ☐ Yes ☐ 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):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Steps to clear memory:

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
Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.
Can any data other than scan upload be sent to the USB device)? ☒ Yes ☐ No If Yes please describe below
Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.

Figure 4 Certificate of Volatility SFP wireless (2 of 2)

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: BLE (Bluetooth Low Energy)	
Frequency: BLE 2.4 to 2.485 GHz band	Bandwidth: 0.27 Mbit/s
Modulation: Gaussian frequency shift modulation	Effective Radiate Power (ERP): 10mW max
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: Wireless Network Connectivity	
Frequency: 2.4GHz and 5GHz Bands	Bandwidth: 20/40 MHz
Modulation: Multiple	Effective Radiate Power (ERP): 802.11n/g: 15+/- 1.5dbm 802.11b: 17+/- 1.5dbm
Specifications: 802.11a/b/g/n	

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
	Technical Marketing Engineer		LES Boise CA
	Electrical Engineer		LES Boise R&D
Date Prepared: 8,2022			

Figure 5 Certificate of Volatility MFP non-wireless fax (1 of 2)

Hewlett-Packard Certificate of Volatility		
Model: HP Color LaserJet Pro MFP 4301 HP Color LaserJet Pro MFP 4302 HP Color LaserJet Pro MFP 4303	Part Number: 4301fdne= 4RA81E; 4301fdn= 4RA81F; 4302fdn= 4RA84F; 4303fdn= 5HH66A	Address: Hewlett Packard Company 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):	Size:	User Modifiable:	Function:	Steps to clear memory:
	512MB	☐ Yes ☒ No	Used for temporary storage during the processing of jobs and for applications running on the OS.	When the printer is powered off, the memory is erased
Type (SRAM, DRAM, etc):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Steps to clear memory: .
Type (SRAM, DRAM, etc):	Size:	User Modifiable: ☐ Yes ☐ 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):	Size:	User Modifiable:	Function:	Steps to clear memory:
Flash	512MB	☐ Yes ☒ No	Device FW	NA
Type (Flash, EEPROM, etc): EEPROM	Size: 32KB	User Modifiable: ☒ Yes ☐No	Function: User setting parameters for printer	Steps to clear memory: Restore factory defaults from control panel or EWS
Type (Flash, EEPROM, etc):	Size:	User Modifiable: ☐ Yes ☐ 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):	Size:	User Modifiable:	Function:	Steps to clear memory:
		☐ Yes ☐ No		

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

Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.

Can any data other than scan upload be sent to the USB device)?
☒ Yes ☐ No If Yes please describe below

Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.

Figure 6 Certificate of Volatility MFP non-wireless fax (2 of 2)

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:	
Frequency:	Bandwidth:
Modulation:	Effective Radiate Power (ERP):
Specifications:	

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: Fax
Specifications: V34, V32, V23, V21

Author Information			
Name	Title	Email	Business Unit
	Technical Marketing Engineer		LES Boise CA
	Electrical Engineer		LES Boise R&D
Date Prepared: 8,2022			

Figure 7 Certificate of Volatility MFP wireless fax (1 of 2)

Hewlett-Packard Certificate of Volatility		
Model: HP Color LaserJet Pro MFP 4301 HP Color LaserJet Pro MFP 4302 HP Color LaserJet Pro MFP 4303	Part Number: 4301fdwe= 4RA82E; 4301fdw= 4RA82F; 4302fdwe= 5HH64E; 4302fdw= 5HH64F; 4303fdw= 5HH67A	Address: Hewlett Packard Company 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):	Size: 512MB	User Modifiable: ☐ Yes ☒ No	Function: Used for temporary storage during the processing of jobs and for applications 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: ☐ Yes ☐ No	Function:	Steps to clear memory: .
Type (SRAM, DRAM, etc):	Size:	User Modifiable: ☐ Yes ☐ 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): Flash	Size: 512MB	User Modifiable: ☐ Yes ☒ No	Function: Device FW	Steps to clear memory: NA
Type (Flash, EEPROM, etc): EEPROM	Size: 32KB	User Modifiable: ☒ Yes ☐No	Function: User setting parameters for printer	Steps to clear memory: Restore factory defaults from control panel or EWS
Type (Flash, EEPROM, etc):	Size:	User Modifiable: ☐ Yes ☐ 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):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Steps to clear memory:

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
Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.
Can any data other than scan upload be sent to the USB device)? ☒ Yes ☐ No If Yes please describe below
Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.

Figure 8 Certificate of Volatility MFP wireless fax (2 of 2)

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: BLE (Bluetooth Low Energy)	
Frequency: BLE 2.4 to 2.485 GHz band	Bandwidth: 0.27 Mbit/s
Modulation: Gaussian frequency shift modulation	Effective Radiate Power (ERP): 10mW max
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: Wireless Network Connectivity	
Frequency: 2.4GHz and 5GHz Bands	Bandwidth: 20/40 MHz
Modulation: Multiple	Effective Radiate Power (ERP): 802.11n/g: 15+/- 1.5dbm 802.11b: 17+/- 1.5dbm
Specifications: 802.11a/b/g/n	

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: Fax
Specifications: V34, V32, V23, V21

Author Information			
Name	Title	Email	Business Unit
	Technical Marketing Engineer		LES Boise CA
	Electrical Engineer		LES Boise R&D
Date Prepared: 8,2022			

Figure 9 Certificate of Volatility MFP wireless non-fax (1 of 2)

Hewlett-Packard Certificate of Volatility		
Model: HP Color LaserJet Pro MFP 4301 HP Color LaserJet Pro MFP 4302 HP Color LaserJet Pro MFP 4303	Part Number: 4301dwe= 4RA80E; 4301dw= 4RA80F; 4302dwe= 4RA83E; 4302dw= 4RA83F; 4303dw= 5HH65A.	Address: Hewlett Packard Company 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):	Size: 512MB	User Modifiable: ☐ Yes ☒ No	Function: Used for temporary storage during the processing of jobs and for applications 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: ☐ Yes ☐ No	Function:	Steps to clear memory: .
Type (SRAM, DRAM, etc):	Size:	User Modifiable: ☐ Yes ☐ 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): Flash	Size: 512MB	User Modifiable: ☐ Yes ☒ No	Function: Device FW	Steps to clear memory: NA
Type (Flash, EEPROM, etc): EEPROM	Size: 32KB	User Modifiable: ☒ Yes ☐No	Function: User setting parameters for printer	Steps to clear memory: Restore factory defaults from control panel or EWS
Type (Flash, EEPROM, etc):	Size:	User Modifiable: ☐ Yes ☐ 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):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Steps to clear memory:

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
Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.
Can any data other than scan upload be sent to the USB device)? ☒ Yes ☐ No If Yes please describe below
Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.

Figure 10 Certificate of Volatility MFP wireless non-fax (2 of 2)

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: BLE (Bluetooth Low Energy)	
Frequency: BLE 2.4 to 2.485 GHz band	Bandwidth: 0.27 Mbit/s
Modulation: Gaussian frequency shift modulation	Effective Radiate Power (ERP): 10mW max
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: Wireless Network Connectivity	
Frequency: 2.4GHz and 5GHz Bands	Bandwidth: 20/40 MHz
Modulation: Multiple	Effective Radiate Power (ERP): 802.11n/g: 15+/- 1.5dbm 802.11b: 17+/- 1.5dbm
Specifications: 802.11a/b/g/n	

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
	Technical Marketing Engineer		LES Boise CA
	Electrical Engineer		LES Boise R&D
Date Prepared: 8,2022			