

# HP LaserJet Pro 4001, 4002, 4003, 4004, 4101, 4102, 4103, 4104 - 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 wireless (1 of 2)

Hewlett-Packard Certificate of Volatility				
Model: HP LaserJet Pro 4001 HP LaserJet Pro 4002 HP LaserJet Pro 4003 HP LaserJet Pro 4004	Part Number: 4001dwe= 2Z601E; 4001dw= 2Z601F; 4002dwe= 2Z606E; 4002dw= 2Z606F; 4003dw= 2Z610A; 4004dw= 2Z615A		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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes please describe the type, size, function, and steps to clear the memory below				
Type (SRAM, DRAM, etc):	Size: 256M	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: <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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes please describe the type, size, function, and steps to clear the memory below				
Type (Flash, EEPROM, etc): Flash	Size: 256MB	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Device FW	Steps to clear memory: NA
Type (Flash, EEPROM, etc): EEPROM	Size: 32KB	User Modifiable: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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: <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)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes please describe the type, size, function, and steps to clear the memory below				
Type (HDD, Tape, etc):	Size:	User Modifiable: <input type="checkbox"/> Yes <input type="checkbox"/> No	Function:	Steps to clear memory:

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

USB			
Does the item accept USB input and if so, for what purpose (i.e. Print Jobs, device firmware updates, scan upload)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes please describe below			
Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.			
RF/RFID			
Does the item use RF or RFID for receive or transmit of any data including remote diagnostics. (e.g. Cellular phone, Bluetooth) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes please describe below:			
Purpose:			
Specifications:			
Author Information			
Name	Title	Email	Business Unit
Hewlett Packard Company	Technical Marketing Engineer		LES Boise CA
Hewlett Packard Company	Electrical Engineer		LES Boise R&D
Date Prepared: 2,2022			

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

Hewlett-Packard Certificate of Volatility				
<b>Model:</b> HP LaserJet Pro 4001 HP LaserJet Pro 4002 HP LaserJet Pro 4003 HP LaserJet Pro 4004		<b>Part Number:</b> 4001ne= 2Z599E; 4001n= 2Z599F; 4001dne= 2Z600E; 4001dn= 2Z600F; 4002dne= 2Z605E; 4002dn= 2Z605F; 4002d= 2Z607F; 4003dn= 2Z609A; 4003n= 2Z611A; 4004d= 2Z613A; 4004dn= 2Z614A		<b>Address:</b> 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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes please describe the type, size, function, and steps to clear the memory below				
Type (SRAM, DRAM, etc): DRAM	Size: 256M	User Modifiable:  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:  <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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes please describe the type, size, function, and steps to clear the memory below				
Type (Flash, EEPROM, etc): Flash	Size: 256MB	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Device FW	Steps to clear memory: NA
Type (Flash, EEPROM, etc): EEPROM	Size: 32KB	User Modifiable:  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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:  <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)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes please describe the type, size, function, and steps to clear the memory below				
Type (HDD, Tape, etc):	Size:	User Modifiable:  <input type="checkbox"/> Yes <input type="checkbox"/> No	Function:	Steps to clear memory:

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

USB			
Does the item accept USB input and if so, for what purpose (i.e. Print Jobs, device firmware updates, scan upload)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes please describe below			
Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.			
RF/RFID			
Does the item use RF or RFID for receive or transmit of any data including remote diagnostics. (e.g. Cellular phone, Bluetooth) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes please describe below:			
Purpose:			
Specifications:			
Author Information			
Name	Title	Email	Business Unit
Hewlett Packard Company	Technical Marketing Engineer		LES Boise CA
Hewlett Packard Company	Electrical Engineer		LES Boise R&D
Date Prepared: 2,2022			

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

Hewlett-Packard Certificate of Volatility				
Model: HP LaserJet Pro 4101 HP LaserJet Pro 4102 HP LaserJet Pro 4103 HP LaserJet Pro 4104		Part Number: 4101fdwe= 2Z619E; 4101fdw= 2Z619F; 4102fdwe= 2Z624E; 4102fdw= 2Z624F; 4103fdw= 2Z629A; 4104fdw= 2Z634A		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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes please describe the type, size, function, and steps to clear the memory below				
Type (SRAM, DRAM, etc):	Size: 512M	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: <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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Device FW	Steps to clear memory: NA
Type (Flash, EEPROM, etc): EEPROM	Size: 32KB	User Modifiable: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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: <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)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes please describe the type, size, function, and steps to clear the memory below				
Type (HDD, Tape, etc):	Size:	User Modifiable: <input type="checkbox"/> Yes <input type="checkbox"/> No	Function:	Steps to clear memory:

Figure 6 Certificate of Volatility wireless / fax MFP (2 of 2)

USB			
Does the item accept USB input and if so, for what purpose (i.e. Print Jobs, device firmware updates, scan upload)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes please describe below			
Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.			
RF/RFID			
Does the item use RF or RFID for receive or transmit of any data including remote diagnostics. (e.g. Cellular phone, Bluetooth) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes please describe below:			
Purpose: Fax			
Specifications: V34, V32, V23, V21			
Author Information			
Name	Title	Email	Business Unit
Hewlett Packard Company	Technical Marketing Engineer		LES Boise CA
Hewlett Packard Company	Electrical Engineer		LES Boise R&D
Date Prepared: 2,2022			

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

Hewlett-Packard Certificate of Volatility				
<b>Model:</b> HP LaserJet Pro 4101 HP LaserJet Pro 4102 HP LaserJet Pro 4103 HP LaserJet Pro 4104		<b>Part Number:</b> 4101fdne= 2Z618E; 4101fdn= 2Z618F; 4102fdn= 2Z623F; 4103fdn= 2Z628A; 4104fdn= 2Z633A, 2Z636A		<b>Address:</b> 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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes please describe the type, size, function, and steps to clear the memory below				
Type (SRAM, DRAM, etc):	Size: 512M	User Modifiable:  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:  <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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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:  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Device FW	Steps to clear memory: NA
Type (Flash, EEPROM, etc): EEPROM	Size: 32KB	User Modifiable:  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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:  <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)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes please describe the type, size, function, and steps to clear the memory below				
Type (HDD, Tape, etc):	Size:	User Modifiable:  <input type="checkbox"/> Yes <input type="checkbox"/> No	Function:	Steps to clear memory:

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

USB			
Does the item accept USB input and if so, for what purpose (i.e. Print Jobs, device firmware updates, scan upload)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes please describe below			
Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.			
RF/RFID			
Does the item use RF or RFID for receive or transmit of any data including remote diagnostics. (e.g. Cellular phone, Bluetooth) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes please describe below:			
Purpose: Fax			
Specifications: V34, V32, V23, V21			
Author Information			
Name	Title	Email	Business Unit
Hewlett Packard Company	Technical Marketing Engineer		LES Boise CA
Hewlett Packard Company	Electrical Engineer		LES Boise R&D
Date Prepared: 2,2022			



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

Hewlett-Packard Certificate of Volatility				
Model: HP LaserJet Pro 4101 HP LaserJet Pro 4102 HP LaserJet Pro 4103 HP LaserJet Pro 4104		Part Number: 4101dwe= 2Z620E; 4101dw= 2Z620F; 4102dwe= 2Z622E; 4102dw= 2Z622F; 4103dw= 2Z627A, 2Z635A; 4104dw= 2Z632A		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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes please describe the type, size, function, and steps to clear the memory below				
Type (SRAM, DRAM, etc):	Size: 512M	User Modifiable:  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:  <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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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:  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Device FW	Steps to clear memory: NA
Type (Flash, EEPROM, etc): EEPROM	Size: 32KB	User Modifiable:  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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:  <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)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes please describe the type, size, function, and steps to clear the memory below				
Type (HDD, Tape, etc):	Size:	User Modifiable:  <input type="checkbox"/> Yes <input type="checkbox"/> No	Function:	Steps to clear memory:

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

USB			
Does the item accept USB input and if so, for what purpose (i.e. Print Jobs, device firmware updates, scan upload)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes please describe below			
Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.			
RF/RFID			
Does the item use RF or RFID for receive or transmit of any data including remote diagnostics. (e.g. Cellular phone, Bluetooth) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes please describe below:			
Purpose:			
Specifications:			
Author Information			
Name	Title	Email	Business Unit
Hewlett Packard Company	Technical Marketing Engineer		LES Boise CA
Hewlett Packard Company	Electrical Engineer		LES Boise R&D
Date Prepared: 2,2022			