



DHARANIDHAR UNIVERSITY, KENDUJHAR
(Formerly D.D. Autonomous College, Estd-1957)
PIN-758001, Kendujhar, Odisha

CORRIGENDUM

In continuation to the Sealed tenders No.3736 Dated 28/09/2026 the following points may kindly be added to the technical bid.

- 1- The technical specification of the items to be procured is hereby revised. The detail technical specification is attached herewith -

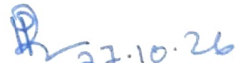
The sealed tender(Super scribing the items for which bid submission is done) with all supporting documents should reach the Office of the Registrar, Dharanidhar University, Kendujhar-758001, Odisha by Speed Post/Regd. Post/Courier on or before Dt.11/11/2026(4.00pm) which will be opened on the same day at 5.00pm in presence of bidders or their authorized representatives. Bidders are requested to follow the website for any other details.


Registrar

Dharanidhar University, Kendujhar

Copy to:

1. Copy to P.S to VC for kind information of the VC, Dharanidhar University, Kendujhar
2. Copy to Chairman-cum-Convener of ICT Lab for information.
3. Copy to OIC, Website for uploading the corrigendum tender call.


Registrar

Dharanidhar University, Kendujhar

TECHNICAL SPECIFICATION OF COMPUTERS, PRINTERS

Sl. No.	Name of the Item	Specification
1	Computer for ICT lab	Click to see detail specification
2	Computer for faculty at ICT lab	Click to see detail specification
3	Laptop	Click to see detail specification
4	Computer for office use	Click to see detail specification
5	Computer for VC/Registrar	Click to see detail specification
6	Laser jet printer	Click to see detail specification

Computer for ICT lab

Operating system

Windows 11 Pro

Processor

Processor family

Intel® Core™ Ultra 7 processor

Processor

Intel® Core™ Ultra 7 265 (up to 5.3 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 20 cores, 20 threads)

Chipset

Intel® Q870 (vPro®)

Neural Processing Unit

Intel® AI Boost (13 NPU TOPS)

Processor cache

30 MB L3

Processor core

20

Memory

Memory

16 GB DDR5-5600 MT/s (1 x 16 GB)

Memory layout (slots & size)

1 x 16 GB

Memory Slots

4 DIMM

Standard memory note

Transfer rates up to 5600 MT/s.

Memory and storage

16 GB memory;1 TB SSD storage

Dimensions

Dimensions (W x D x H)

33.7 x 30.8 x 15.5 cm

Warranty

Manufacturer Warranty

1 year(1/1/1)limited warranty includes 1 year of parts, labor and on-site repair.

Graphic Subsystem

Graphics (integrated)

Intel® Graphics

Graphics

Integrated

Connectivity and Communications

I/O Port location

Front

Ports

1 USB Type-C® 10Gbps signaling rate; 3 USB Type-A 10Gbps signaling rate; 1 headphone/microphone combo

I/O Port location

Rear

Ports

2 USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 RJ-45; 1 audio line-in/line-out; 3 USB 2.0 Type-A; 1 DisplayPort™ 2.1

Wireless

Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, non-vPro®

Network interface

Intel® I219-LM GbE

Expansion slots

1 M.2 2230; 2 PCIe 3 x1; 2 M.2 2280; 1 PCIe 4 x16

Expansion slots note

1 M.2 2230 slot for WLAN and 2 M.2 2280 slots for storage

Network interface type

LAN

Multimedia and Input Devices

Audio

Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support

Keyboard

125 v2 Wired Keyboard

Pointing device

125 Wired Mouse

Appearance

Color

Jack black

Battery and Power

Power

280 W internal power adapter, up to 92% efficiency, active PFC

Monitor

Display Specifications

Native resolution

FHD (1920 x 1080)

Panel technology

IPS; LED

Response time (typical)

5ms GtG (with overdrive)

Flicker-free

Yes (TÜV certified)

Aspect ratio

16:9

Screen treatment

Anti-glare

Resolutions supported

800 x 600 @ 75 Hz (digital inputs only); 640 x 480 @ 60 Hz; 640 x 480 @ 75 Hz (digital inputs only); 720 x 400 @ 70 Hz; 800 x 600 @ 60 Hz; 1024 x 768 @ 60 Hz; 1024 x 768 @ 75 Hz (digital inputs only); 1280 x 720 @ 60 Hz; 1280 x 800 @ 60 Hz; 1280 x 1024 @ 60 Hz; 1280 x 1024 @ 75 Hz (digital inputs only); 1440 x 900 @ 60 Hz; 1600 x 900 @ 60 Hz; 1680 x 1050 @ 60 Hz; 1920 x 1080 @ 50 Hz; 1920 x 1080 @ 60 Hz; 1920 x 1080 @ 75 Hz (digital inputs only); 1920 x 1080 @ 100 Hz (digital inputs only); 1920 x 1080 @ 120 Hz (Digital inputs only)

Brightness

250 nits

Display features

Tilt

Onscreen controls

Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit

Display area (metric)

47.87 x 26.03 cm

VESA mounting

100 x 100 mm

Pixel pitch

0.2493 x 0.2410 mm

Contrast ratio

1000:1

Display contrast ratio (dynamic)

8,000,000:1

Low blue light

HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)

Bezel

3-sided borderless

Hardness

3H

Detachable stand

Yes

Tilt

-5 to +23°

Pixels per inch (ppi)

102 ppi

Panel bit depth

8 bit (6 bit + FRC)

Backlight type

Edge-lit

Curvature

Flat

Vertical viewing angle

178°

Viewable diagonal size

21.45" (54.48 cm)

Stand type

Fixed height stand; With stand

Resolution (maximum)

FHD (1920 x 1080 @ 120 Hz)

Refresh rate (maximum)

120 Hz

Haze

25%

Display size (diagonal)

56.81 cm (22.37")

Backlight lamp life minimum (to half brightness)

30,000 hours

Display area (imperial)

18.85 x 10.25 in

Color gamut

72% NTSC

Display scan frequency (horizontal)

30-150 kHz

Display scan frequency (vertical)

50-120 Hz

Horizontal viewing angle

178°

Display colors

Up to 16.7 million colors supported

Weights

Warranty

Manufacturer Warranty

OEM three-year warranty

Connectivity and Communications

DisplayPort™

1 DisplayPort™ 1.2

HDCP

Yes, DisplayPort™ and HDMI

HDMI

1 HDMI 1.4

Video connectors

HDMI; DisplayPort™-in

VGA

1 VGA

Appearance

Color

Black

Product color

Black

Stand color

Black

Battery and Power

Power

100 - 240 VAC 50/60 Hz

Standby mode power demand

0.5 W

Power consumption

21 W (maximum); 14 W (typical)

Power supply type

Internal

Software

MS-Office 2024(home and student [Academic] e-license)

*****END*****

Computer for faculty at ICT lab

Operating system

Windows 11 Pro

Processor

Processor family

Intel® Core™ Ultra 7 processor

Processor

Intel® Core™ Ultra 7 265 (up to 5.3 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 20 cores, 20 threads)

Chipset

Intel® Q870 (vPro®)

Neural Processing Unit

Intel® AI Boost (13 NPU TOPS)

Processor cache

30 MB L3

Processor core

20

Memory

Memory

16 GB DDR5-5600 MT/s (1 x 16 GB)

Memory layout (slots & size)

1 x 16 GB

Memory Slots

4 DIMM

Standard memory note

Transfer rates up to 5600 MT/s.

Memory and storage

16 GB memory;1 TB SSD storage

Dimensions

Warranty

Manufacturer Warranty

1 year(1/1/1)limited warranty includes 1 year of parts,labor and on-site repair.

Graphic Subsystem

Graphics (integrated)

Intel® Graphics

Graphics

Integrated

Connectivity and Communications

I/O Port location

Front

Ports

1 USB Type-C® 10Gbps signaling rate; 3 USB Type-A 10Gbps signaling rate; 1 headphone/microphone combo

I/O Port location

Rear

Ports

2 USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 RJ-45; 1 audio line-in/line-out; 3 USB 2.0 Type-A; 1 DisplayPort™ 2.1

Wireless

Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, non-vPro®

Network interface

Intel® I219-LM GbE

Expansion slots

1 M.2 2230; 2 PCIe 3 x1; 2 M.2 2280; 1 PCIe 4 x16

Expansion slots note

1 M.2 2230 slot for WLAN and 2 M.2 2280 slots for storage

Network interface type

LAN

Multimedia and Input Devices

Audio

Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support

Keyboard

125 v2 Wired Keyboard

Pointing device

125 Wired Mouse

Appearance

Color

Jack black

Battery and Power

Power

280 W internal power adapter, up to 92% efficiency, active PFC

Monitor

Display Specifications

Native resolution

FHD (1920 x 1080) [1,2]

Panel technology

IPS; LED

Response time (typical)

5ms GtG (with overdrive)

Flicker-free

Yes (TÜV certified)

Aspect ratio

16:9 [1]

Screen treatment

Anti-glare

Resolutions supported

800 x 600 @ 75 Hz (digital inputs only); 640 x 480 @ 60 Hz; 640 x 480 @ 75 Hz (digital inputs only); 720 x 400 @ 70 Hz; 800 x 600 @ 60 Hz; 1024 x 768 @ 60 Hz; 1024 x 768 @ 75 Hz (digital inputs only); 1280 x 720 @ 60 Hz; 1280 x 800 @ 60 Hz; 1280 x 1024 @ 60 Hz; 1280 x 1024 @ 75 Hz (digital inputs only); 1440 x 900 @ 60 Hz; 1600 x 900 @ 60 Hz; 1680 x 1050 @ 60 Hz; 1920 x 1080 @ 50 Hz; 1920 x 1080 @ 60 Hz; 1920 x 1080 @ 75 Hz (digital inputs only); 1920 x 1080 @ 100 Hz (digital inputs only); 1920 x 1080 @ 120 Hz (Digital inputs only)

Brightness

250 nits

Display features

Tilt

Onscreen controls

Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit

Display area (metric)

47.87 x 26.03 cm

VESA mounting

100 x 100 mm

Pixel pitch

0.2493 x 0.2410 mm

Contrast ratio

1000:1

Display contrast ratio (dynamic)

8,000,000:1

Low blue light

HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)

Bezel

3-sided borderless

Hardness

3H

Detachable stand

Yes

Tilt

-5 to +23°

Pixels per inch (ppi)

102 ppi

Panel bit depth

8 bit (6 bit + FRC)

Backlight type

Edge-lit

Curvature

Flat

Vertical viewing angle

178°

Viewable diagonal size

21.45" (54.48 cm)

Stand type

Fixed height stand; With stand

Resolution (maximum)

FHD (1920 x 1080 @ 120 Hz)

Refresh rate (maximum)

120 Hz

Haze

25%

Display size (diagonal)

56.81 cm (22.37")

Backlight lamp life minimum (to half brightness)

30,000 hours

Display area (imperial)

18.85 x 10.25 in

Color gamut

72% NTSC

Display scan frequency (horizontal)

30-150 kHz

Display scan frequency (vertical)

50-120 Hz

Horizontal viewing angle

178°

Display colors

Up to 16.7 million colors supported

Warranty

Manufacturer Warranty

OEM three-year warranty

Connectivity and Communications

DisplayPort™

1 DisplayPort™ 1.2

HDCP

Yes, DisplayPort™ and HDMI

HDMI

1 HDMI 1.4

Video connectors

HDMI; DisplayPort™-in

VGA

1 VGA

Appearance

Color

Black

Product color

Black

Stand color

Black

Battery and Power

Power

100 - 240 VAC 50/60 Hz

Standby mode power demand

0.5 W

Power consumption

21 W (maximum); 14 W (typical)

Power supply type

Internal

Software

MS-Office 2024(home and student [Academic] e-license)

*****END*****

Laptop

Operating system

Windows 11 Pro

Processor

Processor family

Intel® Core™ Ultra 5 processor

Processor

Intel® Core™ Ultra 5 322 (up to 4.4 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores, 6 threads)

Chipset

Intel® integrated SoC

Neural Processing Unit

Intel® AI Boost (46 NPU TOPS)

Processor cache

12 MB L3

Processor core

6

Memory

Memory

16 GB LPDDR5x-6800 MT/s (onboard)

Memory Note

Transfer rates up to 6800 MT/s.

Memory layout (slots & size)

onboard

Memory and storage

16 GB memory;1 TB SSD storage

Dimensions

Dimensions (W x D x H)

31.2 x 21.75 x 1.36 cm

Display Specifications

Touchscreen

No

Display

35.6 cm (14") diagonal, 2K (1920 x 1200), OLED, 0.2 ms response time, UWVA, micro-edge, BrightView, Low Blue Light, 300 nits, 100% DCI-P3

Aspect ratio

16:10

Screen-to-body ratio (without speakers)

90% [18]

Display

35.6 cm (14") diagonal 2K OLED display

Display

14" diagonal 2K OLED display

Brightness

300 nits

Color gamut

100% DCI-P3

Weights

Graphic Subsystem

Graphics (integrated)

Intel® Graphics

Graphics

Integrated

Warranty

Manufacturer Warranty

1 year (1/1/0) limited warranty includes 1 year of parts and labor.

Support service included

1 year 3 day Onsite Notebook Service.

Connectivity and Communications

Ports

1 USB Type-A 10Gbps signaling rate; 1 USB Type-A 5Gbps signaling rate; 1 HDMI-out 2.1; 1 headphone/microphone combo; 2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery 3.1, DisplayPort™ 2.1, Sleep and Charge)

Wireless

Realtek Wi-Fi 7 (2x2) and Bluetooth® 6.0 wireless card

Multimedia and Input Devices

Audio

Dual speakers; HP Audio Boost; DTS:X Ultra™

Keyboard

Full-size, backlit, darker sahara silver opaque keyboard

Pointing device

Imagepad

Appearance

Product color

Sahara silver aluminum

Product design

Anodized cover and base finish, matte paint keyboard frame

Color

Sahara silver

Battery and Power

Battery life

Up to 17 hours and 30 minutes

Battery recharge time

Supports battery fast charge: approximately 50% in 30 minutes

Battery type

3-cell, 59 Wh Li-ion polymer

Power supply type

65 W USB Type-C® GaN power adapter

Software and Applications

Software included

Software

Microsoft Office-2024

Software included

Copilot in Windows with Copilot key

Security Management

Security management

Mic mute key; Camera privacy shutter; Trusted Platform Module (Firmware TPM) support

Camera Specifications

Camera

1080p FHD IR camera with HDR auto switch, temporal noise reduction and integrated dual array digital microphones

Drives and Storage Specifications

Internal Storage

1 TB PCIe® Gen4 NVMe™ M.2 SSD

*****END*****

Computer for office Use

Operating system

Windows 11 Pro

Processor

Processor family

Intel® Core™ i5 14th generation processor

Processor

Intel® Core™ i5-14400 (up to 4.7 GHz with Intel® Turbo Boost Technology, 20 MB L3 cache, 10 cores, 16 threads)

Chipset

Intel® H770

Processor cache

20 MB L3

Processor core

10

Processor socket

LGA1700

Memory

Memory

8 GB DDR5-4800 MT/s (1 x 8 GB)

Memory Note

Transfer rates up to 4800 MT/s.

Memory layout (slots & size)

1 x 8 GB

Memory Slots

2 DIMM

Memory and storage

8 GB memory;512 GB SSD storage

Dimensions

Warranty

Manufacturer Warranty

1 year standard parts, labour and 3 year on-site limited warranty, 1 year limited warranty on primary battery.

Graphic Subsystem

Graphics (integrated)

Intel® UHD Graphics 730

Graphics

Integrated

Connectivity and Communications

I/O Port location

Front

Ports

1 USB Type-C® 10Gbps signaling rate; 3 USB Type-A 5Gbps signaling rate; 1 headphone/microphone combo

I/O Port location

Rear

Ports

4 USB 2.0 Type-A; 1 RJ-45; 1 line out

Wireless

Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.4 wireless card

Network interface

Integrated 10/100/1000 GbE LAN

Expansion slots

3 M.2 (2 for SSD, 1 for WLAN)

Video connectors

1 HDMI 1.4b; 1 DisplayPort™ 1.4a

Multimedia and Input Devices

Keyboard

125 USB Black Wired Keyboard

Pointing device

125 USB Black Wired Mouse

Battery and Power

Power supply type

180 W 80 Plus Gold certified power supply

Drives and Storage Specifications**Internal Storage**

512 GB PCIe® Gen4 NVMe™ M.2 SSD

Monitor

Display Specifications

Native resolution

FHD (1920 x 1080) [1,2]

Panel technology

IPS; LED

Response time (typical)

5ms GtG (with overdrive)

Flicker-free

Yes (TÜV certified)

Aspect ratio

16:9 [1]

Screen treatment

Anti-glare

Resolutions supported

800 x 600 @ 75 Hz (digital inputs only); 640 x 480 @ 60 Hz; 640 x 480 @ 75 Hz (digital inputs only); 720 x 400 @ 70 Hz; 800 x 600 @ 60 Hz; 1024 x 768 @ 60 Hz; 1024 x 768 @ 75 Hz (digital inputs only); 1280 x 720 @ 60 Hz; 1280 x 800 @ 60 Hz; 1280 x 1024 @ 60 Hz; 1280 x 1024 @ 75 Hz (digital inputs only); 1440 x 900 @ 60 Hz; 1600 x 900 @ 60 Hz; 1680 x 1050 @ 60 Hz; 1920 x 1080 @ 50 Hz; 1920 x 1080 @ 60 Hz; 1920 x 1080 @ 75 Hz (digital inputs only); 1920 x 1080 @ 100 Hz (digital inputs only); 1920 x 1080 @ 120 Hz (Digital inputs only)

Brightness

250 nits

Display features

Tilt

Onscreen controls

Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit

Display area (metric)

47.87 x 26.03 cm

VESA mounting

100 x 100 mm

Pixel pitch

0.2493 x 0.2410 mm

Contrast ratio

1000:1

Display contrast ratio (dynamic)

8,000,000:1

Low blue light

HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)

Bezel

3-sided borderless

Hardness

3H

Detachable stand

Yes

Tilt

-5 to +23°

Pixels per inch (ppi)

102 ppi

Panel bit depth

8 bit (6 bit + FRC)

Backlight type

Edge-lit

Curvature

Flat

Vertical viewing angle

178°

Viewable diagonal size

21.45" (54.48 cm)

Stand type

Fixed height stand; With stand

Resolution (maximum)

FHD (1920 x 1080 @ 120 Hz)

Refresh rate (maximum)

120 Hz

Haze

25%

Display size (diagonal)

56.81 cm (22.37")

Backlight lamp life minimum (to half brightness)

30,000 hours

Display area (imperial)

18.85 x 10.25 in

Color gamut

72% NTSC

Display scan frequency (horizontal)

30-150 kHz

Display scan frequency (vertical)

50-120 Hz

Horizontal viewing angle

178°

Display colors

Up to 16.7 million colors supported

Weights

Weight

2.2 kg (without stand); 2.6 kg (with stand)

Package weight

4 kg

Warranty

Manufacturer Warranty

OEM three-year warranty

Connectivity and Communications

DisplayPort™

1 DisplayPort™ 1.2

HDCP

Yes, DisplayPort™ and HDMI

HDMI

1 HDMI 1.4

Video connectors

HDMI; DisplayPort™-in

VGA

1 VGA

Appearance

Color

Black

Product color

Black

Stand color

Black

Battery and Power

Power

100 - 240 VAC 50/60 Hz

Standby mode power demand

0.5 W

Power consumption

21 W (maximum); 14 W (typical)

Power supply type

Internal

Software

MS-Office 2024(home and student [Academic] e-license)

*****END*****

Computer for VC/Registrar

Operating system

Windows 11 Pro

Processor

Processor family

Intel® Core™ 5 processor

Processor

Intel® Core™ 5 120U (up to 5.0 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads)

Chipset

Intel® integrated SoC

Processor socket

BGA

Processor core

6

Processor cache

12 MB L3

Memory

Memory

8 GB DDR5-5200 MT/s (1 x 8 GB)

Memory Note

Transfer rates up to 5200 MT/s.

Memory layout (slots & size)

1 x 8 GB

Memory Slots

2 SODIMM

Memory and storage

8 GB memory;512 GB SSD storage

Display Specifications

Touchscreen

No

Display

60.5 cm (23.8") diagonal, FHD (1920 x 1080), 100 Hz, UWVA, IPS, anti-glare, Low Blue Light, 350 nits, 100% sRGB

Display

60.5 cm (23.8") diagonal FHD display

Display

(23.8) 60.45 cm diagonal FHD display

Color gamut

100% sRGB

Screen-to-body ratio (with speakers)

93%

Screen-to-body Ratio (with speakers) footnote number

Dimensions

Dimensions (W x D x H)

54.03 x 18.48 x 44.66 cm (Fix Height Stand); 54.03 x 18.48 x 48.56 cm (Height Adjustable Stand Max); 54.03 x 18.48 x 38.56 cm (Height Adjustable Stand Min)

Warranty

Manufacturer Warranty

1 year (1/1/1) limited warranty includes 1 year of parts, labor and on-site repair

Support service included

1 year 3 day Onsite Response for Consumer Desktop Hardware Support.

Graphic Subsystem

Graphics (integrated)

Intel® Graphics

Graphics

Integrated

Connectivity and Communications

I/O Port location

Rear

Ports

2 USB Type-C® 20Gbps signaling rate; 1 USB Type-A 10Gbps signaling rate; 2 USB 2.0 Type-A; 1 headphone/microphone combo; 1 RJ-45

Wireless

Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.4 wireless card

Network interface

Realtek RTL8111HSH-CG GbE NIC

Expansion slots

2 M.2 (1 for SSD, 1 for WLAN)

Video connectors

1 HDMI-out 2.0b

Multimedia and Input Devices

Audio

Dual 3 W speakers

Keyboard

275C USB Cashmere White Wireless Keyboard and Mouse Combo

Appearance

Product color

Cotton white

Stand color

Cotton white

Color

Cotton white

Product design

Textured finish

Battery and Power

Power supply type

90 W Smart AC power adapter

Security management

Camera privacy shutter; Microsoft Pluton

Drives and Storage Specifications

Internal Storage

512 GB PCIe® NVMe™ M.2 SSD

Camera Specifications

Camera

HP 1080p FHD IR camera with HDR auto switch, temporal noise reduction and integrated dual array digital microphones

Software

MS-Office 2024(home and student [Academic] e-license)

*****END*****

Laser jet printer

Supported Operating Systems

Compatible Network Operating Systems

Windows Server; Linux

Compatible Network Operating Systems

Windows Server; Linux

Compatible Operating Systems

Windows 11; Windows 10; Linux

Compatible Operating Systems

Windows 11; Windows 10; Linux

Operating system (supported note)

Windows 10 or higher.

Operating system (supported note)

Windows 10 or higher.

Processor

Processor speed

600 MHz

Processor speed

600 MHz

Memory

Memory

256MB DDR3 SDRAM (shared printer and scanner)

Memory

256MB DDR3 SDRAM (shared printer and scanner)

Memory upgrade

Not available

Memory Slots

None

Memory upgrade

Not available

Memory Slots

None

Cartridges and Printheads

Print Cartridges/Bottle, Number

1 toner cartridge (black), 1 imaging drum (black)

Print Cartridges/Bottle, Number

1 toner cartridge (black), 1 imaging drum (black)

Replacement cartridges

HP Black Laser Toner Cartridge W1810A; HP Black Laser Toner Cartridge W1810X [8]

Replacement cartridges

HP Black Laser Toner Cartridge W1810A; HP Black Laser Toner Cartridge W1810X [8]

Page yield (set-up/inbox cartridges)

~1,500 pages black

Page yield (set-up/inbox cartridges)

~1,500 pages black

Display Specifications

Display

128 dots x 16 dots x 2Line; STN Gray LCD

Display

128 dots x 16 dots x 2Line; STN Gray LCD

Display area (metric)

65.5 × 14.8 mm

Display area (metric)

65.5 × 14.8 mm

Warranty

Manufacturer Warranty

Standard Warranty Strategy: One-year limited warranty (simple repair for APJ only)

Manufacturer Warranty

Standard Warranty Strategy: One-year limited warranty (simple repair for APJ only)

Connectivity and Communications

Mobile printing capability

Apple AirPrint™; Mopria™ certified; Wi-Fi® Direct Printing

Mobile printing capability

Apple AirPrint™; Mopria™ certified;; Wi-Fi® Direct Printing

Wireless capability

Yes

Wireless capability

Yes

Connectivity, standard

1 Hi-Speed USB 2.0 (device); Ethernet 10/100 Base-TX; Wireless 802.11b/g/n 2.4GHz

Connectivity, standard

1 Hi-Speed USB 2.0 (device); Ethernet 10/100 Base-TX; Wireless 802.11b/g/n 2.4GHz

Network protocols, supported

TCP/IP; LPR; IPP; AirPrint; WSD; SLP; UPnP; mDNS; SNMP v1/2/3; HTTP

Network protocols, supported

TCP/IP; LPR; IPP; AirPrint; WSD; SLP; UPnP; mDNS; SNMP v1/2/3; HTTP

Multimedia and Input Devices

Resolution

1200 dpi optical sensor

Resolution

1200 dpi optical sensor

Copier Specifications

Copy resolution (black text)

Up to 600 x 600 dpi

Copy speed (black, normal quality, A4)

Up to 33 cpm

Copy resolution (black text)

Up to 600 x 600 dpi

First copy out black (A4)

As fast as 14 sec

First copy out black (A4)

As fast as 14 sec

Copy speed (black, normal quality, A4)

Up to 33 cpm

Copies, maximum

Up to 99 copies

Copies, maximum

Up to 99 copies

Copy resolution (color text and graphics)

Up to 600 x 600 dpi

Copier settings

Actual size; Adjust Background; Black; Darkness control; Default Original Size; Duplex; ID Copy; Number of Copies; N-up; Original Size; Original Type; Text/Photo

Copy resolution (color text and graphics)

Up to 600 x 600 dpi

Copier settings

Actual size; Adjust Background; Black; Darkness control; Default Original Size; Duplex; ID Copy; Number of Copies; N-up; Original Size; Original Type; Text/Photo

First copy out black (letter)

As fast as 14 sec

First copy out black (letter)

As fast as 14 sec

Copy speed black (normal, letter)

Up to 35 cpm

Copy speed black (normal, letter)

Up to 35 cpm

Copy speed black duplex (A4)

Up to 16 cpm

Copy speed black duplex (A4)

Up to 16 cpm

Copy speed black duplex (Letter)

Up to 16 cpm

Copy speed black duplex (Letter)

Up to 16 cpm

Copy speed note

First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, excludes first set of test documents.

Copy speed note

First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, excludes first set of test documents.

Copy reduce / enlarge settings

25 to 400%

Copier scaling (ADF)

25 to 400%

Copy reduce / enlarge settings

25 to 400%

Copier scaling (ADF)

25 to 400%

Battery and Power

Power

110-volt input voltage: 110 to 127 VAC, 50/60Hz and 220-volt input voltage: 220 to 240 VAC, 50/60Hz. Power supply varies by part number with # Option code identifier.

Power

110-volt input voltage: 110 to 127 VAC, 50/60Hz and 220-volt input voltage: 220 to 240 VAC, 50/60Hz. Power supply varies by part number with # Option code identifier.

Power consumption

431 watts (Printing), 43 watts (Ready), 0.840 watts (Sleep), 0.1 watts (Off)

Power consumption

431 watts (Printing), 43 watts (Ready), 0.840 watts (Sleep), 0.1 watts (Off)

Power supply type

Built in 110V or 220 V Power Supply (not dual voltage, power supply varies by part number with option code identifier)

Power supply type

Built in 110V or 220 V Power Supply (not dual voltage, power supply varies by part number with option code identifier)

Power consumption Note

Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty.

Power consumption Note

Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty.

Software and Applications

Software included

Common Installer, V3 Print Driver with Lite SM, Printer Manager (for USB only model)

Software included

Common Installer, V3 Print Driver with Lite SM, Printer Manager (for USB only model)

Mac compatible

Yes

Mac compatible

Yes

Security Management

Security management

Secure Boot; Code Signing; IPPS; IPsec; IP Filtering; Port Disable; WPA/WPA2/WPA3-Personal

Security management

Secure Boot; Code Signing; IPPS; IPsec; IP Filtering; Port Disable; WPA/WPA2/WPA3-Personal

Scanner Specifications

Enhanced scanning resolution

Up to 600 dpi

Scan speed (normal, A4)

Up to 20 ipm (b&w), up to 7 ipm (color)

Scan technology

Contact Image Sensor (CIS)

Scan technology

Contact Image Sensor (CIS)

Enhanced scanning resolution

Up to 600 dpi

Scan speed (normal, A4)

Up to 20 ipm (b&w), up to 7 ipm (color)

Scan resolution, hardware

Up to 600 x 600 dpi

Scan resolution, hardware

Up to 600 x 600 dpi

Scan resolution, optical

Standard (600 X 600 dpi), High Resolution (1200 x 1200 dpi)

Color scanning

Yes

Color scanning

Yes

Scan resolution, optical

Standard (600 X 600 dpi), High Resolution (1200 x 1200 dpi)

Scanner type

ADF; ADF (optional); Flatbed

Scanner type

ADF; ADF (optional); Flatbed

Scan input modes

Copy via Front panel; scan via HP MFP scan, TWAIN, WSD

Scan input modes

Copy via Front panel; scan via HP MFP scan, TWAIN, WSD

Automatic document feeder capacity

Standard, 40 sheets

Automatic document feeder capacity

Standard, 40 sheets

Scan size (ADF), maximum

215.9 x 297 mm

Scan size (ADF), maximum

215.9 x 297 mm

Scan size, maximum

215.9 x 297 mm

Scan size, maximum

215.9 x 297 mm

Scan size (ADF), minimum

139.7 x 215.9 mm

Scan size (ADF), minimum

139.7 x 215.9 mm

Bit depth

24-bit

Bit depth

24-bit

Levels of grayscale

256

Levels of grayscale

256

Twain version

Version 2.1

Twain version

Version 2.1

Scan size (ADF), minimum

5.5 x 8.5 in

Scan speed footnote

Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

Scan speed (normal, letter)

Up to 20 ipm (b&w), Up to 7 ipm (color)

Recommended monthly scan volume note

ADF Life spec: 20,000; SSA Life spec: 4,000 in 60 months.

Duplex ADF scanning

No

Auto document feeder capacity footnote

80 g/m² paper

Duplex ADF scanning

No

Auto document feeder capacity footnote

80 g/m² paper

Recommended monthly scan volume note

ADF Life spec: 20,000; SSA Life spec: 4,000 in 60 months.

Recommended monthly scan volume

100 to 1000

Scan file format

JPEG; PDF [5]

Scan file format footnote

Support for Windows, not support for Mac.

Native scan file format

JPG; PDF

Software scan file format

Raw

Scan size (ADF), maximum

8.5 x 11.7 in

Scan size, maximum

8.5 x 11.7 in

Recommended monthly scan volume

100 to 1000

Scan file format

JPEG; PDF [5]

Scan file format footnote

Support for Windows, not support for Mac.

Native scan file format

JPG; PDF

Software scan file format

Raw

Scan size, maximum

8.5 x 11.7 in

Scan size (ADF), minimum

5.5 x 8.5 in

Scan speed footnote

Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

Scan speed (normal, letter)

Up to 20 ipm (b&w), Up to 7 ipm (color)

Scan size (ADF), maximum

8.5 x 11.7 in

Rack and Power Specifications**Number of users**

1-5 Users

Number of users

1-5 Users

Typical electricity consumption (TEC) number

1.242 kWh/Week

Typical electricity consumption (TEC) number

1.242 kWh/Week

Fax Specifications

Faxing

No

Faxing

No

Printer Specifications

Print quality black (best)

Up to 1,200 x 1,200 dpi

Functions

Print, copy, scan

Print quality black (best)

Up to 1,200 x 1,200 dpi

Functions

Print, copy, scan

Maximum print area

216 x 356 mm

Maximum print area

216 x 356 mm

Top margin (A4)

5 mm

Top margin (A4)

5 mm

Duty cycle (monthly, A4)

Up to 30,000 pages

Duty cycle (monthly, A4)

Up to 30,000 pages

Print Resolution Technologies

Standard (600 x 600 dpi); High Resolution (1200 x 1200 dpi)

Left margin (A4)

5 mm

Left margin (A4)

5 mm

Print Resolution Technologies

Standard (600 x 600 dpi); High Resolution (1200 x 1200 dpi)

First page out black (letter, ready)

As fast as 8.5 sec

Duty cycle (monthly, letter)

Up to 30,000 pages

First page out black (letter, ready)

As fast as 8.5 sec

Duty cycle (monthly, letter)

Up to 30,000 pages

Right margin (A4)

5 mm

Recommended monthly page volume

300 to 2,300 pages

Right margin (A4)

5 mm

Recommended monthly page volume

300 to 2,300 pages

Print speed black (ISO, A4)

Up to 33 ppm

Target user and print volume

For teams up to 5 users

Print speed black (ISO, A4)

Up to 33 ppm

Bottom margin (A4)

5 mm

Bottom margin (A4)

5 mm

Target user and print volume

For teams up to 5 users

Paper trays, standard

1

Paper trays, standard

1

Paper trays, maximum

2

Paper trays, maximum

2

Print colors

No

Print colors

No

Top key features

Wireless; Print from phone or tablet; Automatic document feeder; Two-sided printing

Top key features

Wireless; Print from phone or tablet; Automatic document feeder; Two-sided printing

Print technology

Laser

Print technology

Laser

Print languages

PCL6, GDI, PCLm, PWG, URF, PS

Print languages

PCL6, GDI, PCLm, PWG, URF, PS

Printer Management

HP Web JetAdmin Software

Printer Management

HP Web JetAdmin Software

Duplex printing

Automatic

Duplex printing

Automatic

Warm-up time

24 sec (from Power on), 14 sec (from Sleep)

Fonts and typefaces

32 Scalable Fonts (Include OCR-A / OCR-B) / 1 Bitmap

Print speed black (Portrait, A5)

Up to 9 ppm

Print speed black (ISO, letter)

Up to 35 ppm

Print speed duplex (letter)

Up to 16 ipm

Print speed duplex (A4)

Up to 16 ipm

Print quality black (normal)

Up to 600 x 600 dpi

Print speed

Print speed up to 33 ppm (black, A4)

First page out black (letter, sleep)

As fast as 14 sec (15 min)

First page out black (A4, sleep)

As fast as 14 sec (15 min)

First page out black (A4, ready)

As fast as 8.5 sec

Automatic paper sensor

Yes

Warm-up time

24 sec (from Power on), 14 sec (from Sleep)

Fonts and typefaces

32 Scalable Fonts (Include OCR-A / OCR-B) / 1 Bitmap

Print speed black (Portrait, A5)

Up to 9 ppm

Print speed black (ISO, letter)

Up to 35 ppm

Print speed duplex (letter)

Up to 16 ipm

Print speed duplex (A4)

Up to 16 ipm

Print quality black (normal)

Up to 600 x 600 dpi

Print speed

Print speed up to 33 ppm (black, A4)

First page out black (letter, sleep)

As fast as 14 sec (15 min)

First page out black (A4, sleep)

As fast as 14 sec (15 min)

First page out black (A4, ready)

As fast as 8.5 sec

Automatic paper sensor

Yes

System Components

Control panel

3 lights (Power, Wi-Fi, Status); 10 buttons (Power, Wi-Fi, ID Copy, Undo, Left, OK, Right, Menu, Start, Cancel)

Control panel

3 lights (Power, Wi-Fi, Status); 10 buttons (Power, Wi-Fi, ID Copy, Undo, Left, OK, Right, Menu, Start, Cancel)

System Requirements

Minimum System Requirements

Windows 11: 64-bit; Windows 10; Windows Server 2016 above: 32-bit or 64-bit; 1 GB RAM; 16 GB HD; Internet; USB

Minimum System Requirements

Windows 11: 64-bit; Windows 10; Windows Server 2016 above: 32-bit or 64-bit; 1 GB RAM; 16 GB HD; Internet; USB

Minimum System Requirements for Macintosh

macOS Sequoia 15; macOS Sonoma 14; macOS Ventura 13; 1.5 GB HD; Internet; USB

Minimum System Requirements for Macintosh

macOS Sequoia 15; macOS Sonoma 14; macOS Ventura 13; 1.5 GB HD; Internet; USB

Printing Media

Media size (ADF)

A4, A5, B5

Media sizes supported, key

10 x 15 cm; A4; Envelopes

Media size (ADF)

A4, A5, B5

Media sizes supported, key

10 x 15 cm; A4; Envelopes

Media sizes supported

A4, A5, A5 (LEF), B5 (JIS), Oficio, Envelope (DL, C5)

Media sizes supported

A4, A5, A5 (LEF), B5 (JIS), Oficio, Envelope (DL, C5)

Media weights, supported ADF

50 to 105 g/m²

Media weights, supported ADF

50 to 105 g/m²

Media sizes, custom

Tray 1 (Multipurpose tray): 76.2 x 216 to 127 x 356 mm; Tray 2 (Cassette): 105 x 216 to 148.5 x 356 mm

Media sizes, custom

Tray 1 (Multipurpose tray): 76.2 x 216 to 127 x 356 mm; Tray 2 (Cassette): 105 x 216 to 148.5 x 356 mm

Standard media sizes (duplex)

A4; Oficio (216 x 340 mm)

Standard media sizes (duplex)

A4; Oficio (216 x 340 mm)

Media types

Plain, Thick, Thin, Cotton, Colored, Pre-Printed, Recycled, Label, Cardstock, Bond, Archive, Thicker

Media types

Plain, Thick, Thin, Cotton, Colored, Pre-Printed, Recycled, Label, Cardstock, Bond, Archive, Thicker

Media weight, supported

60 to 220 g/m²

Media weight, supported

60 to 220 g/m²

Standard media sizes (duplex, imperial)

Letter; Legal; Folio; Oficio (8.5 x 13 in)

Recommended media weight (duplex)

60 to 105 g/m²

Recommended media weight (duplex)

16 to 28 lb

Maximum input capacity (sheets)

Up to 251 sheet

Maximum Input Capacity (envelopes)

Up to 1 envelope

Input capacity

Up to 250 sheet

Media sizes supported, key

4 x 6 in; Letter; Legal; Envelopes

Media sizes, custom

Tray 1 (Multipurpose tray): 3 x 8.5 to 5 x 14 in; Tray 2 (Cassette): 4.13 x 8.5 to 5.85 x 14 in

Media sizes supported

Letter, Legal, Executive, B5 (ISO), Oficio (8.5 x 13 in), Envelope (No.10, Monarch), 4 x 6 in

Media size, tray 1

Letter, Legal, oficio, Folio, A4, B5 (JIS), B5 (ISO), Executive, A5, A6, Monarch, No 10, DL, C5, C6, PostCard 4 x 6; Custom 76.2 x 216 mm to 127 x 356 mm

Media size, tray 2

Letter, Legal, oficio, Folio, A4, B5 (JIS), B5 (ISO), Executive, A5, A6; Custom 105 x 216 mm to 148.5 x 356 mm

Media type and capacity, ADF

Sheets: 40

Media type and capacity, tray 1

Sheet: 1; Envelope: 1

Media type and capacity, tray 2

Sheets: 250

Media weights, supported ADF

13.3 to 28 lb

Media weight (tray 1)

60 to 220 g/m²

Media weight (tray 2)

60 to 163 g/m²

Media weight, supported

16 to 59 lb

Maximum output capacity (sheets)

Up to 120 sheets (at 20 lb, face down, NN, Baseline paper); up to 1 envelope, cardstock (using pressure-release lever)

Output capacity

Up to 120 sheets (at face down, NN, 20 lb paper)

Standard output capacity (envelopes)

Up to 1 envelope, cardstock (using pressure-release lever)

Paper handling input, standard

250-sheet input tray

Paper handling output, standard

100-sheets output tray

Maximum input capacity (sheets)

Up to 251 sheet

Maximum Input Capacity (envelopes)

Up to 1 envelope

Input capacity

Up to 250 sheet

Recommended media weight (duplex)

16 to 28 lb

Media sizes supported, key

4 x 6 in; Letter; Legal; Envelopes

Recommended media weight (duplex)

60 to 105 g/m²

Media sizes, custom

Tray 1 (Multipurpose tray): 3 x 8.5 to 5 x 14 in; Tray 2 (Cassette): 4.13 x 8.5 to 5.85 x 14 in

Media sizes supported

Letter, Legal, Executive, B5 (ISO), Oficio (8.5 x 13 in), Envelope (No.10, Monarch), 4 x 6 in

Media size, tray 1

Letter, Legal, oficio, Folio, A4, B5 (JIS), B5 (ISO), Executive, A5, A6, Monarch, No 10, DL, C5, C6, PostCard 4 x 6; Custom 76.2 x 216 mm to 127 x 356 mm

Media size, tray 2

Letter, Legal, oficio, Folio, A4, B5 (JIS), B5 (ISO), Executive, A5, A6; Custom 105 x 216 mm to 148.5 x 356 mm

Media type and capacity, ADF

Sheets: 40

Media type and capacity, tray 1

Sheet: 1; Envelope: 1

Media type and capacity, tray 2

Sheets: 250

Media weights, supported ADF

13.3 to 28 lb

Media weight (tray 1)

60 to 220 g/m²

Media weight (tray 2)

60 to 163 g/m²

Media weight, supported

16 to 59 lb

Standard media sizes (duplex, imperial)

Letter; Legal; Folio; Oficio (8.5 x 13 in)

Maximum output capacity (sheets)

Up to 120 sheets (at 20 lb, face down, NN, Baseline paper); up to 1 envelope, cardstock (using pressure-release lever)

Output capacity

Up to 120 sheets (at face down, NN, 20 lb paper)

Standard output capacity (envelopes)

Up to 1 envelope, cardstock (using pressure-release lever)

Paper handling input, standard

250-sheet input tray

Paper handling output, standard

100-sheets output tray

System Features

Technical features

Automatic document feeder; Automatic 2-sided printing; Network printing; Professional print quality; WiFi Direct; Fast first page out

Technical features

Automatic document feeder; Automatic 2-sided printing; Network printing; Professional print quality; WiFi Direct; Fast first page out

*****END*****