



Department of Public Works and Highways  
CENTRAL OFFICE

**Standard Technical Specifications for  
ICT Equipment**

Issue Date:

11-Dec-23

Doc. Code:

DPWH-IMS-OMP-IMSPPS-04-07a

Revision No.

4

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**Name of Equipment: LAPTOP COMPUTER for Administrative Use**

**Description:** For Administrative Use

**Main Equipment Components**

**Specification**

**Laptop**

*Processor & Chipset*

Core-i5 (12th Gen), 10-cores and 64-bit or its equivalent

*Internal Memory*

8GB DDR4

*Storage*

512GB SSD

*Display & Graphics*

14" Diagonal Full High-Definition LED Wide Screen Display with integrated graphics memory

*Audio*

Integrated high-definition audio support, integrated speakers and integrated digital microphone.

*Webcam*

Integrated widescreen HD

*I/O Ports*

3 USB (atleast 1 Type-C), HDMI/DisplayPort, Headphone/Microphone Jack

*Network Interface*

Bluetooth, and wireless LAN (auto detecting and auto sensing)

*Weight*

not more than 1.63 kg / 3.59 lbs.

**Software**

*Operating System*

Licensed OEM Windows 11 Professional 64-bit with media installer. Must be activated with Microsoft prior to delivery.

*Recovery Media*

All drivers and utilities must be stored in any electronic storage media. It must be properly labelled and virus free.

*Office Software*

Microsoft Office Standard (latest version) under Cloud Solution Provider (CSP) Agreement. The licenses must be perpetual and transferrable. It must be licensed and named after the DPWH and can be added to the Department's existing tenant domain dpwhgovph.onmicrosoft.com and primary domain dpwh.gov.ph. The Supplier must present a certificate as a Certified CSP Direct Partner in the Philippines.

**Accessories**

**Specification**

*Mouse*

Optical with mouse pad (same brand as the Laptop)

*Carry Case*

Manufacturer's Standard

*Cable Adapter*

Gigabit Ethernet Cable Adapter (for laptop models without Ethernet port)

*Headset*

Headset with Microphone (1-meter cable length, with noise cancellation feature, audio jack/USB connections type. Must be compatible with the offered laptop)

**Other Requirements:**

**Brand and Model:** Must be an International Brand Name with existence of at least ten (10) years in the Philippines. It must be in the current catalog and not end-of life. Manufacturer's certificate is required.

**Components:** All components must be same brand as the Laptop and factory installed and new. The Supplier is not allowed to change or add any components to the equipment.

**Regulatory:** ENERGY STAR certified (with Energy Star Stamp). For Laptops that do not carry an Energy Star label, an appropriate means of proof of Energy consumption levels shall be submitted such as a technical dossier of the manufacturer or a test report from a recognized body to demonstrate compliance with this requirement.





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**Name of Equipment:** LAPTOP COMPUTER for Administrative Use

**Description:** For Administrative Use

**Documentation and Media:** All equipment shall be supplied with standard manufacturer documentation, on any electronic storage media and hard copy version where available.

**Warranty and Maintenance:** The Supplier is required to provide a 1-yr warranty on all parts including mouse, and headset with microphone, associated software and onsite labor from the Date of the Inspection and Acceptance Report (IAR).

In any case that the Laptop needs to be pullout for servicing, the Supplier must return the unit within two (2) weeks or a service unit with the same or higher specifications must be issued.

**Technical Support:** The local technical support shall include telephone and email, 8 hours per day (8:00am - 5:00pm) 5 days a week (Monday - Friday) for problem resolution. Support shall have a response time of next business day.

**Additional Notes:** N/A

Prepared by:

Checked by:

**MARY JANE N. PANTOJA**

Chief, Business Innovation Division

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**RHALF B. CAWALING**

Director, Information Management Service

Approved by:

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Undersecretary, Technical Services  
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**Name of Equipment: LAPTOP COMPUTER for Specialized Applications Software Use**

**Description:** For Specialized Applications Software Use

<b>Main Equipment Components</b>	<b>Specification</b>
<b>Laptop</b>	
<i>Processor &amp; Chipset</i>	Core-i7 (12th Gen), 14-cores and 64-bit or its equivalent
<i>Internal Memory</i>	32 GB DDR5
<i>Storage</i>	1 TB SSD
<i>Display &amp; Graphics</i>	15.6"-16" Diagonal Full High-Definition Wide Screen Display; 6GB dedicated graphics memory
<i>Audio</i>	Integrated high-definition audio support, integrated speakers and integrated digital microphone
<i>Webcam</i>	Integrated widescreen HD
<i>I/O Ports</i>	3 USB (atleast 1 Type-C), HDMI/DisplayPort, Headphone/Microphone Jack
<i>Network Interface</i>	Bluetooth, and wireless LAN (auto detecting and auto sensing)
<i>Weight</i>	not more than 2.5 kg / 5.5 lbs
<b>Software</b>	
<i>Operating System</i>	Licensed OEM Windows 11 Professional 64-bit with media installer. Must be activated with Microsoft prior to delivery.
<i>Recovery Media</i>	All drivers and utilities must be stored in any electronic storage media. It must be properly labelled and virus free.
<i>Office Software</i>	Microsoft Office Standard (latest version) under Cloud Solution Provider (CSP) Agreement. The licenses must be perpetual and transferable. It must be licensed and named after the DPWH and can be added to the Department's existing tenant domain dpwhgovph.onmicrosoft.com and primary domain dpwh.gov.ph. The Supplier must present a certificate as a Certified CSP Direct Partner in the Philippines.
<b>Accessories</b>	<b>Specification</b>
<i>Mouse</i>	Optical with mouse pad (same brand as the Laptop)
<i>Carry Case</i>	Manufacturer's Standard
<i>Cable Adapter</i>	Gigabit Ethernet Cable Adapter (for laptop models without Ethernet port)
<i>Headset</i>	Headset with Microphone (1-meter cable length, with noise cancellation feature, audio jack/USB connections type. Must be compatible with the offered laptop)

**Other Requirements:**

**Brand and Model:** Must be an International Brand Name with existence of at least ten (10) years in the Philippines. It must be in the current catalog and not end-of life. Manufacturer's certificate is required.

**Components:** All components must be same brand as the Laptop and factory installed and new. The Supplier is not allowed to change or add any components to the equipment.

**Regulatory:** ENERGY STAR certified (with Energy Star Stamp). For Laptops that do not carry an Energy Star label, an appropriate means of proof of Energy consumption levels shall be submitted such as a technical dossier of the manufacturer or a test report from a recognized body to demonstrate compliance with this requirement.





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**Name of Equipment:** LAPTOP COMPUTER for Specialized Applications Software Use

**Description:** For Specialized Applications Software Use

**Documentation and Media:** All equipment shall be supplied with standard manufacturer documentation, on any electronic storage media and hard copy version where available.

**Warranty and Maintenance:** The Supplier is required to provide a 1-yr warranty on all parts including mouse, and headset with microphone, associated software and onsite labor from the Date of the Inspection and Acceptance Report (IAR).

In any case that the Laptop needs to be pullout for servicing, the Supplier must return the unit within two (2) weeks or a service unit with the same or higher specifications must be issued.

**Technical Support:** The local technical support shall include telephone and email, 8 hours per day (8:00am - 5:00pm) 5 days a week (Monday - Friday) for problem resolution. Support shall have a response time of next business day.

**Additional Notes:** N/A

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**Name of Equipment: DESKTOP COMPUTER (Specialized Software Application Use)**

**Description:** For Specialized Software Application Use

<b>Main Equipment Components</b>		<b>Specification</b>
<b>Computer</b>		
	<i>Processor &amp; Chipset</i>	Core-i7 (12th Gen), 8-cores and 64-bit or its equivalent
	<i>Internal Memory</i>	32GB DDR4
	<i>Storage</i>	1TB 7200RPM HDD + 512GB SSD
	<i>Display &amp; Graphics</i>	23-inch to 24-inch Diagonal Full High-Definition Wide Screen or Wide Viewing Angle LED Display (same brand as CPU); 6 GB dedicated graphics memory
	<i>Audio</i>	Integrated Sound Card with internal / external speaker
	<i>Expansion Slot</i>	4 slots on-board, atleast 1 PCI Express slot
	<i>I/O Ports</i>	6 USB (2 front, 4 rear at least 1 Type-C), VGA, Audio, HDMI / Display Port, Ethernet (RJ-45)
	<i>Network Interface</i>	Integrated Gigabit Ethernet
	<i>Casing</i>	Two (2) external drive bays
<b>Software</b>		
	<i>Operating System</i>	Licensed OEM Windows 11 Professional 64-bit with media installer. Must be activated with Microsoft prior to delivery.
	<i>Recovery Media</i>	All drivers and utilities must be stored in any electronic storage media. It must be properly labelled and virus free.
	<i>Office Software</i>	Microsoft Office Standard (latest version) under Cloud Solution Provider (CSP) Agreement. The licenses must be perpetual and transferrable. It must be licensed and named after the DPWH and can be added to the Department's existing tenant domain dpwhgovph.onmicrosoft.com and primary domain dpwh.gov.ph. The Supplier must present a certificate as a Certified CSP Direct Partner in the Philippines.
<b>Accessories</b>		<b>Specification</b>
	<i>Keyboard</i>	Manufacturer's Standard (same brand as the Computer)
	<i>Mouse</i>	Optical with mouse pad (same brand as the Computer)
	<i>Webcam</i>	2MP FHD
	<i>Headset</i>	Headset with Microphone (1-meter cable length, with noise cancellation feature, audio jack/usb connections type. Must be compatible with the offered desktop)
	<i>Power Supply</i>	Manufacturer's Standard
	<i>Cables and Connectors</i>	All necessary cables and connectors; patch cord (CAT6, factory crimped with RJ-45 connector, 5 meters, preferably color orange).
<b>Other Requirements:</b>		
<b>Brand and Model:</b> Must be an International Brand Name with existence of at least ten (10) years in the Philippines. It must be in the current catalog and not end-of life. Manufacturer's certificate is required.		
<b>Components:</b> All Components must be the same brand as the Computer (except for the webcam, and headset) and manufacturer installed.		





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**Name of Equipment: DESKTOP COMPUTER (Specialized Software Application Use)**

**Description:** For Specialized Software Application Use

**Regulatory:** ENERGY STAR certified (with Energy Star Stamp). For Desktop Computers that do not carry an Energy Star label, an appropriate means of proof of Energy consumption levels shall be submitted such as a technical dossier of the manufacturer or a test report from a recognized body to demonstrate compliance with this requirement.

**Documentation and Media:** All equipment shall be supplied with standard manufacturer documentation, on any electronic storage media and hard copy version where available.

**Warranty and Maintenance:** The Supplier is required to provide a 1-yr warranty on all parts including mouse, and headset with microphone, associated software and onsite labor from the Date of the Inspection and Acceptance Report (IAR).

**Technical Support:** The local technical support shall include telephone and email, 8 hours per day (8:00am - 5:00pm) 5 days a week (Monday - Friday) for problem resolution. Support shall have a response time of next business day.

**Additional Notes:**

The UPS (650VA) shall be issued in bundle with the Desktop Computer for Specialized Software Application Use tech specs.

Prepared by:

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**Name of Equipment: DESKTOP COMPUTER for Administrative Use**

**Description:** For Administrative Use

<b>Main Equipment Components</b>		<b>Specification</b>
<b>Computer</b>		
	<i>Processor &amp; Chipset</i>	Core-i5 (12th Gen), 6-cores and 64-bit or its equivalent
	<i>Internal Memory</i>	8 GB DDR4
	<i>Storage</i>	1TB 7200RPM HDD
	<i>Display &amp; Graphics</i>	21-inch Diagonal Full High-Definition Wide Screen or Wide Viewing Angle LED Display (same brand as CPU); Integrated graphics memory
	<i>Audio</i>	Integrated Sound Card with internal / external speaker
	<i>Expansion Slot</i>	4 slots on-board, at least 1 PCI Express slot
	<i>I/O Ports</i>	6 USB (2 front, 4 rear at least 1 Type-C), VGA, Audio, HDMI / Display Port, Ethernet (RJ-45)
	<i>Network Interface</i>	Integrated Gigabit Ethernet
	<i>Casing</i>	Two (2) external drive bays
<b>Software</b>		
	<i>Operating System</i>	Licensed OEM Windows 11 Professional 64-bit with media installer. Must be activated with Microsoft prior to delivery.
	<i>Recovery Media</i>	All drivers and utilities must be stored in any electronic storage media. It must be properly labelled and virus free.
	<i>Office Software</i>	Microsoft Office Standard (latest version) under Cloud Solution Provider (CSP) Agreement. The licenses must be perpetual and transferable. It must be licensed and named after the DPWH and can be added to the Department's existing tenant domain dpwhgovph.onmicrosoft.com and primary domain dpwh.gov.ph. The Supplier must present a certificate as a Certified CSP Direct Partner in the Philippines.
<b>Accessories</b>		<b>Specification</b>
	<i>Keyboard</i>	Manufacturer's Standard (same brand as the Computer)
	<i>Mouse</i>	Optical with mouse pad (same brand as the Computer)
	<i>Webcam</i>	2MP FHD
	<i>Headset</i>	Headset with Microphone (1-meter cable length, with noise cancellation feature, audio jack/USB connections type. Must be compatible with the offered desktop)
	<i>Power Supply</i>	Manufacturer's Standard
	<i>Cables and Connectors</i>	All necessary cables and connectors; patch cord (CAT6, factory crimped with RJ-45 connector, 5 meters, preferably color orange).

**Other Requirements:**

**Brand and Model:** Must be an International Brand Name with existence of at least ten (10) years in the Philippines. It must be in the current catalog and not end-of life. The Manufacturer's certificate is required.

**Components:** All Components must be the same brand as the Computer (except for the webcam, and headset) and manufacturer installed.





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**Warranty and Maintenance:** The Supplier is required to provide a 1-yr warranty on all parts including mouse, and headset with microphone, associated software and onsite labor from the Date of the Inspection and Acceptance Report (IAR).

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