



Department of Public Works and Highways
CENTRAL OFFICE

**Standard Technical Specifications for
ICT Equipment**

Issue Date :

03 19 24

Doc. Code:

DPWH-IMS-OMP-IMSPPS-04-03b

Revision No.

5

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

Description: For Specialized Software Application Use

Main Equipment Components

Specification

Computer

Processor & Chipset

Core-i7 (12th Gen), 8-cores and 64-bit or its equivalent

Internal Memory

32GB DDR4

Storage

1TB 7200RPM HDD + 512GB SSD

Display & Graphics

23-inch to 24-inch Diagonal Full High-Definition Wide Screen or Wide Viewing Angle LED Display (same brand as CPU); 6 GB GDDR6 dedicated graphics memory

Audio

Integrated Sound Card with internal / external speaker

Expansion Slot

4 slots on-board, atleast 1 PCI Express slot

I/O Ports

6 USB (2 front, 4 rear at least 1 Type-C), VGA, Audio, HDMI / Display Port, Ethernet (RJ-45)

Network Interface

Integrated Gigabit Ethernet

Casing

Two (2) external drive bays

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

Keyboard

Manufacturer's Standard (same brand as the Computer)

Mouse

Optical with mouse pad (same brand as the Computer)

Webcam

2MP FHD

Headset

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

Power Supply

Manufacturer's Standard

Cables and Connectors

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. 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. The supplier is not allowed to change or add any components to the equipment.



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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: LAPTOP COMPUTER for Specialized Applications Software Use

Description: For Specialized Applications Software Use

Main Equipment Components

Specification

Laptop

Processor & Chipset

Core-i7 (12th Gen), 14-cores and 64-bit or its equivalent

Internal Memory

32 GB DDR5

Storage

1 TB SSD

Display & Graphics

15.6"-16" Diagonal Full High-Definition Wide Screen Display; 6GB GDDR6 dedicated 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 2.5 kg / 5.5 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 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.

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 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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