



DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

CAGAYAN DE ORO CITY 2ND DISTRICT ENGINEERING OFFICE

Macabalan, Cagayan de Oro City

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**Standard Technical Specifications for
Desktop Computers**

Name of Equipment: DESKTOP COMPUTER (Specialized Software Use)

Description: For Specialized Software Use

Main Equipment Components		Specification
Computer		
	<i>Processor & Chipset</i>	Core-i7 (13th Gen) high performance or its equivalent, minimum of 16-cores and 5.40 GHz max turbo frequency
	<i>Internal Memory</i>	32GB DDR4
	<i>Storage</i>	1TB SSD + 500GB 7200RPM HDD
	<i>Display & Graphics</i>	23-inch to 24-inch Diagonal Full High-Definition Wide Screen or Wide Viewing Angle IPS Display (same brand as CPU); 8GB GDDR6 dedicated 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>Cooling System</i>	Air Cooling System
	<i>I/O Ports</i>	Minimum of 6 USB slots (at most 1 Type-C), HDMI/Display Port, Audio Port, Ethernet (RJ-45)
	<i>Network Interface</i>	Integrated Gigabit Ethernet
	<i>Casing</i>	Two (2) external drive bays
Software		
	<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 labeled 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.
Accessories		Specification
	<i>Keyboard</i>	Manufacturer's Standard (same brand as the computer)
	<i>Mouse</i>	Optical with a 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 globally recognized brand of computers and has been marketed in the Philippines for the last ten (10) years. It must be in the current catalog and not end-of-life. The Manufacturer's certificate is required.		



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Description: For Specialized Software Use

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.

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 must provide a 1-year warranty on all parts including mouse, keyboard, webcam, headset with microphone, and 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 (8:00 am - 5:00 pm) 5 days a week (Monday - Friday) for problem resolution. Support shall have a response time of the next business day.

Additional Notes:

The UPS (1000VA) shall be issued in bundle with the Desktop Computer for Specialized Software Use tech specs. This technical specification shall be issued along with the Certification issued by IMS.

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