



West Visayas State University

(Formerly Iloilo Normal School)

HIMAMAYLAN CITY CAMPUS

Brgy Caradio-an, Himamaylan City, Negros Occidental 6108

* Tel No. (034)-388-3300

*Official Page <https://www.facebook.com/westhimamaylan/>

Email Address himamaylan@wvsu.edu.ph



TECHNICAL SPECIFICATION FOR:

WIFI Router

Wi-Fi Gigabit Router	:	
Device Interfaces	:	IEEE 802.11 ac/n/g/b/a wireless LAN, Four 10/100/1000Gigabit Ethernet LAN ports, 10/100/1000Gigabit Ethernet WAN port
Antenna Type	:	Four external High Gain 5dBi antennas, Supports Beamforming
Operating Frequency	:	2.4 GHz band: 2400 - 2483.5 MHz, 5 GHz band: 5150 - 5725 MHz
Standards	:	IEEE 802.11ac, IEEE 802.11n, IEEE 802.11g, IEEE 802.3ab, IEEE 802.11b, IEEE 802.11a, IEEE 802.3u
Security	:	WPA & WPA2 (Wi-Fi Protected Access), WPS (Wi-Fi Protected Setup)
Power Adaptor	:	Input: 100 to 240V AC, 50/60Hz Output: 12V, 1A
Others	:	Concurrent dual-band wireless for connections up to 1200Mbps; Supports MU-MIMO (AC Wave II)



Estimated Cost: PHP 2,300.00


Prepared By:


Kurt Harvey D. Deasis
 Network Administrator

Conforme:


HENRY B. SARROSA, JR.
 Administrative Officer II
 (End-User)

Reviewed By:


ROTHSEL T. CABATAC
 TWG - Goods



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TECHNICAL SPECIFICATION FOR:

External Hard Drive

- Capacity : 2TB
- Interface : USB 3.2 Gen 1
- Compatibility : Windows® 10 or Windows 8.1 operating systems.
- Others : Slim Design, Automatic backup, Password Protection, 256-bit AES Protection



Estimated Cost: PHP 6,000.00

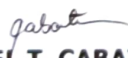
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TECHNICAL SPECIFICATION FOR:

Wireless Optical Mouse

Type	:	Wireless
Connection	:	2.4G Hz
Ergonomic Design	:	Symmetric
Sensor	:	Optical
Resolution	:	1000 DPI
Report Rate	:	125Hz
Buttons No.	:	3
Receiver	:	Nano USB Receiver
Power Source	:	1AA Alkaline Battery
System Requirements	:	Windows XP / Vista / 7 / 8 / 8.1 / 10
Operating Range	:	10 - 15m

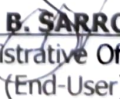


Estimated Cost: PHP 400.00

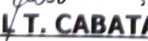
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TECHNICAL SPECIFICATION FOR:

Optical Mouse – USB Type

Type	:	Wired
Ergonomic Design	:	Symmetric
Sensor	:	Optical
Resolution	:	600-1000-1600 DPI
Buttons No.	:	6
Port	:	USB
Cable Length	:	150 cm
System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10		




Estimated Cost: PHP 500.00

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TECHNICAL SPECIFICATION FOR:

Gigabit Switch- 16 Port

16 10/100/1000Mbps ports

Supports MAC address self-learning, Auto MDI/MDIX and Auto negotiation

Standards and Protocols	:	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab , IEEE 802.3x
Interface	:	16 10/100/1000Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX)
Network Media 10BASE-T	:	UTP category 3, 4, 5 cable (maximum 100m)
100BASE-TX/1000BASE-T	:	UTP category 5, 5e or above cable (maximum 100m)
Fan Quantity	:	Fanless
Power Supply	:	100-240VAC, 50/60Hz
Power Consumption Maximum	:	9.26W (220V/50Hz)
Dimensions (W x D x H)	:	11.6*7.1*1.7 in. (294*180*44 mm)
Max Power Consumption	:	9.26W(220V/50Hz)
Max Heat Dissipation	:	31.60BTU/h
Switching Capacity	:	32Gbps
Packet Forwarding Rate	:	23.8Mpps
MAC Address Table	:	8K
Jumbo Frame	:	10KB
Green Technology	:	Yes
Transfer Method	:	Store-and-Forward



Estimated Cost: PHP 6, 500.00

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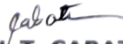
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TECHNICAL SPECIFICATION FOR:

UTP Cable Cat6

Cat 6 UTP 23AWG Solid : 305M Blue
4 Pairs of Unshielded Twisted Pair (UTP) Cables

Metal Conductor	:	Made of solid copper
Color Code	:	Blue
Conductor Diameter	:	Nominal 0.560mm, 23 AWG
Insulation Diameter	:	Nominal 0.970mm,
Insulation Material	:	HD-PE
Cable Protective Jacket Material	:	PVC UL94V-0
Cable Diameter	:	6mm
PE Central Cross separator	:	
Mutual Capacitance	:	5.6nF / 100m nominal
Characteristic Impedance	:	100Ω ± 15%
Nominal Velocity of Propagation	:	69%
Conductor Resistance	:	<9.38Ω / 100m
Resistance Unbalance	:	5% Max
Capacitance Unbalance	:	330pF / 100m
Delay Skew	:	<45nS
Bending Radius	:	<4 X Cable Diameter (mm) at -20 ° C ± 1 ° C
Pulling Force	:	11.5 Kg
Operating temperature range	:	-20 ° to + 70 ° C




Estimated Cost: PHP 6,000.00

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