



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/officialhimamaylan/>

Email Address: himamaylan@wvlu.edu.ph



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


Prepared By:


Kurt Harvey D. Deasis
Network Administrator

Conforme:


MARLYN V. RIVERA, Ph.D.
Dean of Instruction
(End-User)

Reviewed By:


ROTHSEL T. CABATAC
TWG - Goods



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TECHNICAL SPECIFICATION FOR:


RJ45 Connector

Cat.5e/Cat.6 UTP 8P8C Modular Plug
50 micron Gold Plating Connectors
Clear Color




Estimated Cost: PHP 10.00

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TECHNICAL SPECIFICATION FOR:

Cable Tester (RJ45)

- Connectors : RJ45 Ethernet Cat 5, Ethernet Cat 5e, Ethernet Cat 6
- Color : white
- Material : plastic
- Others : LED display, Handheld, and portable, detachable main/remote unit



Estimated Cost: PHP 190.00

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TECHNICAL SPECIFICATION FOR:


Switch Hub (8 ports)

Standards and Protocols	:	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, CSMA/CD
Interface	:	8X 10/100Mbps Ports, Auto-Negotiation, Auto-MDI/MDIX
Fan Quantity	:	Fanless
Power Supply	:	External Power Adapter (Output: 5.0VDC / 0.6A)
Buffer Size	:	768Kb
Data Rates	:	10/100Mbps at Half Duplex; 20/200Mbps at Full Duplex
Advanced Functions	:	Green Technology, 802.3X Flow Control, Back Pressure
Certification	:	FCC, CE, RoHS




Estimated Cost: PHP 1,000.00

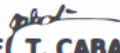
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TECHNICAL SPECIFICATION FOR:

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

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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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