

Republic of the Philippines
VISAYAS STATE UNIVERSITY
Visca, Baybay City, Leyte
SUPPLY & PROPERTY MANAGEMENT

1st IAR

INSPECTION & ACCEPTANCE REPORT

Supplier: **ELECTROCOMPUTER DATA SYSTEM (EDS)** IAR No: 25-09-1092
P.O No.: **VSU-GOODS-25-26-212 (STF)** Date: 2025-09-08
Office/Dept: **CVM** 183,832.00 STF-2024-09-01643

No.	UNIT	DESCRIPTION	Quantity		Date Received	Balance	Remarks
			Per P.O	Actual			
1	unit	24-Port Gigabit Stackable L3 Managed PoE+ Switch with 4 10G Slots, 24x 10/100/1000 Mbps PoE+ RJ45 Port, TP Link SG6428XHP	3	0		3	Undelivered

Specification:

Hardware Features

- **Ports:**
 - 24x 10/100/1000 Mbps PoE+ RJ45 Ports
 - 4x 10G SFP+ Slots
 - 2x USB 2.0 Ports
 - 1x RJ45 Console Port
 - 1x USB Type-C Console Port
 - 1x RJ45 Management Port
- **Fan:**
 - Four field-replaceable and hot-swappable fans
- **Power Supply:**
 - Two field-replaceable and hot-swappable power supply modules (100–240 VAC, 50/60 Hz)
 - Default shipping with one PSM500-AC module; additional redundant power supply sold separately
- **PoE Ports:**
 - Standard: 802.3at/af compliant
 - PoE+ Ports: 24, up to 30 W per port
 - PoE Power Budget: up to 720 W (varies with power supply modules)
- **Dimensions:**
 - 17.3 × 16.5 × 1.7 in (440 × 420 × 44 mm)
- **Mounting:**
 - Rackmountable
- **Power Consumption:**
 - Max: 42.9 W (no PD connected)
 - Max with 720 W PD connected and 2x PSM500-AC: 916.6 W
- **Heat Dissipation:**
 - Max: 146.29 BTU/hr (no PD connected)

o Max with 720 W PD connected and 2x PSM500-AC: 3,125.61 BTU/hr

Performance

- **Switching Capacity:** 128 Gbps
- **Stacking:**
 - Up to 4 units
 - 10G SFP+ Slot for stacking
 - 20 Gbps per port (Full-Duplex)
- **Packet Forwarding Rate:** 95.2 Mpps
- **MAC Address Table:** 32 K
- **Packet Buffer Memory:** 3 MB
- **Jumbo Frame Support:** 9 KB

Software Features

- **Quality of Service (QoS):** Class of Service, Bandwidth Control, Voice VLAN, etc.
- **Layer 3 Features:** IP Interfaces, Static Routing, RIP, OSPF, VRRP, DHCP Server/Relay, ARP, IPv6 support
- **Layer 2 and L2+ Features:** Link Aggregation, Spanning Tree Protocol, IGMP/MLD Snooping, Multicast support
- **Advanced Features:** Device Discovery, Batch Configuration, Firmware Upgrading, Network Monitoring
- **ISP Features:** Ethernet Link OAM, Layer 2 Protocol Tunneling, DLDP, DDM, sFlow
- **VLAN:** 802.1Q VLANs, VLAN VPN, Voice VLAN, Private VLAN
- **Security:** Port Isolation, DoS Defend, ARP Inspection, 802.1X

Management

- **Omada App:** Yes, with Omada Hardware/Cloud-Based/Software Controller
- **Centralized Management:** Omada Cloud-Based/Hardware/Software Controller
- **Cloud Access:** Yes, with Omada Hardware/Cloud-Based/Software Controller
- **Zero-Touch Provisioning:** Yes, with Omada Cloud-Based Controller
- **Management Features:** Web-based GUI, CLI, SNMP, SDM Template, DHCP/BOOTP Client

Others

- **Package Contents:** SG6428XHP Switch, Power Cord, RJ45 Console Cable, Installation Guide, Rackmount Kit, Rubber Feet
- **System Requirements:** Compatibility with various operating systems
- **Environment:** Operating and storage temperature/humidity specifications

This switch is ideal for high-demand environments needing robust performance, flexibility, and advanced features.

2	piece	UPS, at least 500 w, Wise Power	4	0		4	Undelivered
Specification: Recharging Time: at most 4 Hours							
3	unit	Wifi Access Point, Unifi U6-LR	2	2	2025-09-05 #: CI-226573	0	Completed
Specification: <ul style="list-style-type: none"> • Type: WiFi Access Point • Model: UAP-nanoHD 							

- **Dimensions:** 160 x 160 x 32.65 mm (6.30 x 6.30 x 1.29 inches)
- **Weight:** 300 g (10.6 oz); with Mounting Kits: 315 g (11.1 oz)
- **Networking Interface:** (1) 10/100/1000 Ethernet Port
- **Buttons:** Reset
- **Power Method:** 802.3af PoE
- **Power Supply:** UniFi Switch (PoE)
- **Power Save:** Supported
- **Beamforming:** Supported
- **Maximum Power Consumption:** 10.5W
- **Supported Voltage Range:** 44 to 57VDC

TX Power:

- **2.4 GHz:** 23 dBm
- **5 GHz:** 26 dBm

MIMO:

- **2.4 GHz:** 2x2
- **5 GHz:** 4x4

Radio Rates:

- **2.4 GHz:** 300 Mbps
- **5 GHz:** 1733 Mbps

Antennas:

- **2.4 GHz:** (2) Single-Port, Single-Polarity Antennas, 2.8 dBi each
- **5 GHz:** (2) Single-Port, Dual-Polarity Antennas, 3 dBi each

Wi-Fi Standards: 802.11 a/b/g/n/r/k/v/ac/ac-wave2

Wireless Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES), 802.11w/PMF

BSSID: 8 per Radio

Mounting: Wall/Ceiling (Kits Included)

Operating Temperature: -10 to 70°C (14 to 158°F)

Operating Humidity: 5 to 95% Non-condensing

Certifications: CE, FCC, IC

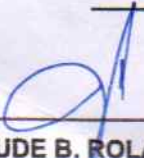
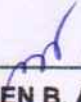
Advanced Traffic Management:

- **VLAN:** 802.1Q
- **Advanced QoS:** Per-User Rate Limiting
- **Guest Traffic Isolation:** Supported
- **WMM:** Voice, Video, Best Effort, and Background
- **Concurrent Clients:** 200+

Supported Data Rates (Mbps):

- **802.11a:** 6, 9, 12, 18, 24, 36, 48, 54 Mbps
- **802.11b:** 1, 2, 5.5, 11 Mbps
- **802.11g:** 6, 9, 12, 18, 24, 36, 48, 54 Mbps
- **802.11n:** 6.5 Mbps to 300 Mbps (MCS0-MCS15, HT 20/40)
- **802.11ac:**
 - 6.5 Mbps to 1.7 Gbps (MCS0-MCS9 NSS1/2/3/4, VHT 20/40/80)
 - 58 Mbps to 1.7 Gbps (MCS0-MCS9 NSS1/2, VHT 160)

Should be compatible with the existing fleet of Unifi AP and Existing Unifi Controller

INSPECTION	ACCEPTANCE
Date Inspected: <u>9/8/25</u> <input type="checkbox"/> Inspected, verified and found in order as to quantity and specifications <input type="checkbox"/> Others: _____ _____ _____	Date Recieved: <u>9/8/25</u> <input type="radio"/> Complete <input checked="" type="radio"/> Partial
 JUDE B. ROLA Inspector	 DOREEN B. ALBA Head, Supply & Property Management