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PR-2023-0809-136517



Republic of the Philippines
VISAYAS STATE UNIVERSITY
 Visca, Baybay City, Leyte

PURCHASE REQUEST

PPMP No. : **107-5-2064-2024-7-0-4**PR No.: **GF-2023-08-01480**Date: **08-09-2023**Dept./Office: **RERC**Category: **IT Supplies and Equipment**Duration: **2024-01-01**Section/End-User: **Marjorie E. Timbal**

to

2024-12-31Funding Source: **General Fund - MOOE**Project Title/Code: **CC18-RE03.1719**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Solenoid Valve, 1/2" NPS, Brass	pcs	2	600.00		1,200.00

Specification:

- Working Liquid Pressure: 0 Mpa - 1.0 Mpa (140 PSI)
- Working Temperature: -5? - 80 ?
- Actuating life: ? 50 million cycles
- Actuating voltage: 12VDC

2	Wifi Access Point (Existing fleet of VSU Access Points)	unit	1	12,000.00		12,000.00
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Specification:

UAP-nanoHD

Dimensions: 160 x 160 x 32.65 mm (6.30 x 6.30 x 1.29")

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% Noncondensing

Certifications: CE, FCC, IC

Advanced Traffic Management

VLAN: 802.1Q

Advanced QoS: Per-User Rate Limiting

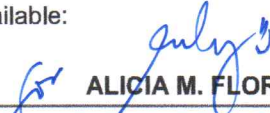
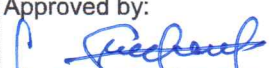
Guest Traffic Isolation: Supported

WMM: Voice, Video, Best Effort, and Background

Concurrent Clients: 200+

Supported Data Rates (Mbps)

Standard	Data Rates
802.11a	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)

802.11b	1, 2, 5.5, 11 Mbps					
802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps					
TOTAL						13,200.00
Purpose: Project use						
Checked by:  DIONESIO I. ESTUPA				Funds Available:  ALICIA M. FLORES <i>for</i> <i>cc-2024</i>		
TWG - IT Supplies and Equipment				HEAD, BUDGET OFFICE		
Signature:	Requested by: 		Noted by: 		Approved by: 	
Printed Name:	MARJORIE E. TIMBAL		ELDON P. DE PADUA		EDGARDO E. TULIN	
Designation:	END USER		UNIT HEAD, PROJECT LEADER		PRESIDENT, VSU	