



PURCHASE REQUEST

Dept./Office: **DLABS**PR #: **GF-2021-05-00195**Date: **05-21-2021**Section/End-User: **Gilda P. Nayre**Category: **IT Supplies and Equipment**Funding Source: **General Fund - MOOE**Project Title/Code: **DLABS-2021(Higher Education)**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Wireless Access Point	unit	2	9,900.00	GILDA P. NAYRE	19,800.00

Specification:

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

?Weight

?With Mounting Kits

?300 g (10.6 oz)

?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

?5 GHz

?23 dBm

?26 dBm

?MIMO

?2.4 GHz

?5 GHz

?2x2

?4x4

?Radio Rates

?2.4 GHz

?5 GHz

?300 Mbps

?1733 Mbps

?Antennas

?2.4 GHz

?5 GHz

?(2) Single-Port, Single-Polarity Antennas, 2.8 dBi each

?(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

?Should be compatible with existing UniFi Controller

TOTAL

19,800.00

Purpose: for office use

Checked by:

MICHAEL ANTHONY JAY B. REGIS

TWG - IT Supplies and Equipment

Funds Available:

MYRNA S. PANCITO

HEAD, BUDGET OFFICE

Signature:

Printed Name:

Designation:

Requested by:

GILDA P. NAYRE

END USER

Noted by:

JETT C. QUEBEC

UNIT HEAD, PROJECT LEADER

Approved by:

EDGARDO E. TULIN

PRESIDENT, VSU