

QUANTAM Q444AP

PRODUCT DATASHEET



PRODUCT DESCRIPTION

Quantam Q444AP

Enterprise tri-band 4x4 Access Point powered by Qualcomm® Dragonwing™ Npro A7 with 2GB DDR4, featuring dual 10GbE (802.3bt PoE), BLE 5.3, and RESTful API support

Designed for wall or ceiling mounting, it delivers highperformance,scalable, and secure connectivity for dense enterprise environments.

PRODUCT FEATURES



2x
Ethernet Ports



BE1900
Supported

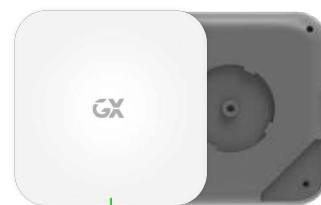


DualBand
11be WiFi

PRODUCT MODEL

QUANTAM Q444AP

FEATURES & SPECIFICATIONS



GENERAL/PHYSICAL FEATURES

DIMENSIONS

L=230mm W=230mm H=39.5mm

WEIGHT

1.60 kgs

MAX. POWER

30(PoE)

POWER SUPPLY VOLTAGE

12VDC/PoE IN | 12v 4A

OPERATING TEMPERATURE

-10 to 40 °Celsius

STORAGE TEMPERATURE

-40 to 80 °Celsius

RELATIVE HUMIDITY

0-90%, non-condensing

DEVICE PARAMETERS

SoC CHIPSET

Qualcomm® Dragonwing Npro A7

MIMO

4 x 4 @ 2.4 GHz | 5GHz | 6GHz

PORTS

1*10G WAN Port POE Enabled

1* 10G LAN Port

FLASH

256MB

MEMORY

2x1GB DDR4

STANDARDS

- IEEE 802.11be/ax/ac/n/a 6 GHz / 5 GHz
- IEEE 802.11be/ax/n/b/g 2.4 GHz

WIRELESS SPECIFICATIONS

- Operation Modes : AP, Mesh
- Frequency Range
 - 2.4 GHz: 2400 MHz – 2482 MHz
 - 5 GHz: 5150 MHz – 5250 MHz
 - 5250 MHz – 5350 MHz
 - 5470 MHz – 5725 MHz
 - 5725 MHz – 5850 MHz
 - 6 GHz: 5925 MHz – 7125 MHz
- Transmit Power : 2.4 GHz: 25 dBm
 - 5 GHz: 24 dBm
 - 6 GHz: 24 dBm
- Supported Data rate s :
 - 6 GHz: Up to 11,200 Mbps
 - 5 GHz: Up to 5,760 Mbps
 - 2.4 GHz: Up to 1,376 Mbps
- Channel Bandwidth:
 - 802.11be (Wi-Fi 7): 20 / 40 / 80 / 160 / 320 MHz
 - 802.11ax (Wi-Fi 6): 20 / 40 / 80 / 160 MHz
 - 802.11ac: 20 / 40 / 80 / MHz
 - 802.11n: 20 / 40 MHz



FEATURES & SPECIFICATIONS

WIRELESS SPECIFICATIONS

- 802.11be supports extreme high efficiency (EHT) —EHT 20/40/80/160/240/320 MHz
802.11ax supports high efficiency throughput (HE) —HE 20/40/80/160 MHz
802.11ac supports very high throughput (VHT) —VHT 20/40/80 MHz
802.11n supports high throughput (HT) —HT 20/40 MHz
802.11n supports high throughput under the 2.4GHz radio —HT40 MHz (256-QAM)
802.11n/ac/ax packet aggregation: A-MPDU, A-SPDU
- 802.11Be/ax packet aggregation: AMPDU, ASPDU

WIRELESS SECURITY

- WPA2-PSK
WPA2-Enterprise
WPA3-PSK
WPA3-Enterprise
Hide SSID in Beacons
Wireless STA (Client)
Connected List
- Features MAC Address Filtering, allowing up to 32 MACs per SSID.
- Can hide the SSID in Beacons.
- Other Security: Includes HTTPS, SSH, Client isolation, IPS Sensor, and IP filtering. It also supports NA

MANAGEMENT

Multiple SSID

- 8 SSIDs each for 2.4GHz, 5GHz and 6GHz radios

VLAN Tagging

- Supports 802.1q SSID-to-VLAN Tagging| Cross-band VLAN Pass Through
- Management VLAN

Spanning Tree

- Supports 802.1d Spanning Tree Protocol

QoS

- Product QoS compliant with IEEE 802.11e wireless standard
- Optimized for voice, video, and high-priority traffic
- WMM

SNMP

- v1, v2c, v3
- MIBI/II, Private MIB

DHCP

- Server, Client
- DHCP Client List
- Address Reservation