

MOKSHA Q22AP-W

PRODUCT DATASHEET



PRODUCT DESCRIPTION

Moksha Q22AP-W

A compact wall-mounted Wi-Fi 6 (AX3000) access point powered by Qualcomm Dragonwing N6, delivering dual-band 2x2 MIMO performance up to 3 Gbps.

It features 1x Gigabit WAN, 2x Gigabit LAN (PoE), AP/Mesh modes, and enterprise-grade security with VLAN and WPA3 support.

PRODUCT FEATURES



2x
Ethernet Ports



AX3000
Supported



DualBand
11AX WiFi

PRODUCT MODEL

MOKSHA Q22 AP-W

FEATURES & SPECIFICATIONS



GENERAL/PHYSICAL FEATURES

DIMENSIONS

L=140mm W=90mm H=44mm

WEIGHT

1.09 kgs

POWER SUPPLY VOLTAGE

12VDC/PoE IN | 2A

OPERATING TEMPERATURE

-10 to 40 °Celsius

STORAGE TEMPERATURE

-40 to 80 °Celsius

RELATIVE HUMIDITY

0-90%, non-condensing

DEVICE PARAMETERS

SoC CHIPSET

Qualcomm Dragonwing N6

MIMO

2T 2R (2.4Ghz) | 2T 2R (5Ghz)

PORTS

1* 1G WAN Port

2* 1G LAN Port (PoE enabled)

FLASH

128 MB

MEMORY

512MB

STANDARDS

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

WIRELESS SPECIFICATIONS

- Operation Modes : AP, Mesh
- Frequency Range
2.4GHz: 2400 MHz ~ 2482 MHz
5GHz: 5150 MHz ~ 5250 MHz,
5250 MHz ~ 5350 MHz,
5470 MHz ~ 5725 MHz,
5725MHz ~ 5850MHz
- Transmit Power : 2.4 GHz: 26dBm 5
GHz: 26dBm
- Supported Data rates:
2.4 GHz: Max 600
5 GHz: Max 2400
- Channelization:
802.11ax supports very
high throughput (VHT)—VHT
20/40/80/160 MHz
- 802.11n supports high throughput
(HT)—HT 20/40 MHz
- 802.11n supports very high
throughput (VHT) under the
2.4 GHz radio—VHT (256-QAM)
- 802.11n/ac packet aggregation:
AMPDU, ASPDU

PRODUCT MODEL

MOKSHA Q22 AP-W

FEATURES & SPECIFICATIONS



MANAGEMENT

Multiple SSID

- 8 SSIDs each for both 2.4GHz and 5GHz 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
- MIB/II, Private MIB

DHCP

- Server, Client
- DHCP Client List
- Address Reservation

WIRELESS SECURITY

- Supports WPA2 AES-PSK, WPA2 Enterprise, and WPA3.
- 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