**Technical Specifications**

Standards

IEEE 802.11ac wave2/a/n on 5 GHz

Processor

Powerful Qualcomm® CPU

Antenna

High-Gain 19 dBi Integrated Directional Antennas

5 GHz (Port 1)

Average Antenna Gain: 19 dBi
Polarization: Linear
Azimuth Beam Width: 30°
Elevation Beam-Width: 18°
VSWR: 1:2.0

5 GHz (Port 2)

Average Antenna Gain: 19 dBi
Polarization: Linear
Azimuth Beam Width: 18°
Elevation Beam-Width: 30°
VSWR: 1:2.0

Physical Interface

2 x 10/100/1000 Base-TX, RJ-45 Gigabit Ethernet Ports
1 x Reset Button

LED Indicators

Power
LAN1
LAN2
WLAN
Signal

Power Source

Power-over-Ethernet: Proprietary 24V PoE

Maximum Power Consumption

9W

Surge Protection

Line to Line: 1 KV
Line to Ground: 2 KV

ESD Protection

Contact: 4 KV
Air: 8 KV

**Wireless & Radio Specifications**

Operating Frequency

5GHz

Operation Modes

Access Point
Client Bridge
Client Router
WDS: AP, Bridge

Frequency Radio

5GHz:
5150MHz ~ 5240MHz, 5260 ~ 5320MHz, 5500MHz ~ 5700MHz, 5745MHz ~ 5925MHz

Transmit Power

Up to 26 dBm on 5 GHz
Max transmit power is limited by regulatory power

Radio Chains/Spatial Streams

2 x 2:2

Supported Data Rates (Mbps)

5 GHz: Max 867
802.11a: 6, 9, 12, 18, 24, 36, 48, 54
802.11n: 6.5 to 300 (MCS0 to MCS15)
802.11ac: 6.5 to 867 (MCS0 to MCS9, NSS=1 ~2)

Supported Radio Technology

802.11a/n/ac: Orthogonal frequency-division Multiplexing (OFDM)

Channelization

802.11n with 20/40 MHz channel width
802.11a with 20 MHz channel width
802.11ac with 20/40/80 MHz channel width

Supported Modulation

802.11a/n: BPSK, QPSK, 16-QAM, 64-QAM
802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM

AP Radio Settings

AP Client Limiting
VLANs for AP – Multiple SSIDs
Wi-Fi Scheduler
Traffic Shaping
Client Traffic Status
RADIUS Accounting
Distance Control (Ack Timeout)
Multicast Supported
RSSI Threshold
Email Alert

**Management Features**

Multiple BSSID

Supports up to 4 SSIDs

VLAN Tagging

Supports 802.1q SSID-to-VLAN tagging
VLAN Pass through

Spanning Tree

QoS

Compliant with IEEE 802.11e Standard
WMM

SNMP

v1, v2c, v3

MIB

I/II, Private MIB

**Environmental & Physical**

Temperature Range

Operating: -4°F to 140°F, -20°C to 60°C
Storage: -22°F to 176°F, -30°C to 80 °C

Humidity (Non-condensing):

Operating: 90% or less
Storage: 90% or less

**Dimensions & Weight**

EnStationAC Device

Weight: 1.11 lbs. (460 g)
Depth: 7.48” (190 mm)
Height: 1.50” (38 mm)

Package Contents

– EnStationAC Outdoor AP
– PoE Injector (EPA5006GP)
– Pole Mount Ring
– Mounting Screw Set
– Quick Installation Guide

Certifications

FCC
IC