

Features

Physical

- Power:
- DC Input: 12 V/2.5 A (power adapter optional)
 - PoE: 802.3at compliant (PoE injector optional)
- Dimensions: 19.0 cm (L) x 19.0 cm (W) x 3.3 cm (H)
- Weight: 0.61 kg (1.34 lb)
- Interfaces:
- Uplink: 1 x 10/100/1000BASE-T Ethernet, Auto MDIX, RJ-45 with 802.3at PoE
 - LAN: 1 x 10/100/1000BASE-T Ethernet, Auto MDIX, RJ-45
 - Console: 1 x RJ-45 port
 - USB: 1 x USB 2.0 port
- LED Indicator: Power/2G-WiFi/5G-WiFi/ETH 1 (PoE)/ETH 2
- Buttons: Reset/Restart
- Environmental Conditions:
- Operating Temperature: 0°C (32°F) to 45°C (113°F)
 - Operating Humidity: 5% to 95% non-condensing
- Power Consumption: 22.5 W max.
- Antenna:
- Type: 5 x Built-in PIFA (4 x 2.4 GHz and 5 GHz, 1 x Bluetooth Low Energy)
 - Gain: 3 dBi (2.4 GHz), 5 dBi (5 GHz), 3 dBi (BLE)
- Mounting: Wall/ceiling mount (mounting kit included)

Wi-Fi

- Standards:
- 802.11a/b/g/n/ac; Wave 2
 - Concurrent dual-band 2.4 and 5 GHz
- Supported data rates:
- 802.11b: 1, 2, 5.5, 11 Mbps
 - 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
 - 802.11n: 6.5 – 144 Mbps (20 MHz)
 - 802.11n: 13.5 – 300 Mbps (40 MHz)
 - 802.11ac: 6.5 – 173.4 Mbps (20 MHz)
 - 802.11ac: 13.5 – 400 Mbps (40 MHz)
 - 802.11ac: 29.3 – 866.6 Mbps (80 MHz)
- Radio Chains: 4 x 4
- Spatial Streams: 4 ; MU-MIMO support
- Output Power:
- 2.4 GHz: Up to 18 dBm*1
 - 5 GHz: Up to 20 dBm*1
- Channelization: 20 MHz, 40 MHz, 80 MHz
- Frequency Band: 2.412 – 2.472 GHz, 5.180 – 5.825 GHz
- Operating Channels:
- 2.4 GHz: 1 – 11 (US), 1 – 13 (Europe), 1 – 13 (Japan)
 - 5 GHz*2: 36 – 165 (US), 36 – 140 (Europe), 36 – 140 (Japan)
- ESSIDs: Up to 16 per radio (32 total)
- Certifications: FCC (United States), CE (Europe)

Performance

- Physical Data Rate:
- Up to 600 Mbps (2.4 GHz)
 - Up to 1733 Mbps (5 GHz)
- Concurrent Users: Up to 256 (128 on 2.4 GHz, 128 on 5 GHz)

Quality of Service

- Wireless QoS (802.11e/WMM)
- DSCP (802.1p)
- Airtime fairness
- Band steering
- Multicast to unicast conversion
- Optimal client filtering

Management

- Deployment:
- Standalone
 - Tunneled management by controller
 - IPv4 and IPv6 compatible
- Configuration:
- Web user interface (HTTP/HTTPS)
 - SNMP v1, v2c, v3

Security

- Wireless security:
- WEP
 - WPA/WPA2 Mixed (TKIP/AES Mixed)
 - WPA2-Personal (AES)
 - WPA2-Enterprise (AES)
- VLAN tagging (802.1Q)
- Station isolation
- DHCP snooping
- Layer-2 firewall

Mobility/Roaming

- Layer 2/Layer 3 fast roaming

Receive Sensitivity

Operating Mode	Data Rate	Receive Sensitivity (dBm)
802.11b	1 Mbps	-97
	11 Mbps	-89
802.11a	6 Mbps	-90
	54 Mbps	-73
802.11g	6 Mbps	-91
	54 Mbps	-74
802.11n (HT20)	MCS0	-90
	MCS7	-70
	MCS8	-90
	MCS15	-70
802.11n (HT40)	MCS0	-87
	MCS7	-68
	MCS8	-87
	MCS15	-68
802.11ac (VHT20)	MCS0	-90
	MCS8	-67
802.11ac (VHT40)	MCS0	-87
	MCS9	-61
802.11ac (VHT80)	MCS0	-84
	MCS9	-58

*1: Maximum power is limited by local regulatory requirements

*2: Some channels are restricted by local regulatory requirements

Features

Warranty

Please check www.edge-core.com for the warranty terms in your country.

For More Information

To find out more about Edgecore Networks Corporation products and solutions, visit www.edge-core.com.

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