



Specifications

Wireless

Standards IEEE802.11b, 802.11g
Media Access Protocol CSMA/CA with ACK
Frequency 2.4GHz ISM radio band

Modulation
802.11g OFDM
802.11b CCK(11, 5.5MHz), DQPSK(2Mbps), DQPSK(1Mbps)

Data Rates
802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps
802.11b: 1, 2, 5.5, 11Mbps

Tx Power
802.11g: typical 14dBm (25mW)
802.11b: typical 17dBm (50mW)

Receive Sensitivity
802.11g: typical -86dBm at 54Mbps
802.11b: typical -68dBm at 11Mbps

Channels
802.11g: USA, Canada: 11
Most European countries: 13
Japan: 14
802.11b: USA, Canada, Taiwan: 11
Most European countries: 13
France: 4
Japan: 14

Antenna
(1) Built-in 4dbi omnidirectional antenna
(1) Detachable SMA 4dbi omnidirectional antenna

Operating Range
Open Space ~ 600ft(182m), Indoor ~ 300ft(91m)
(Transmission speed may vary according to the environment)

Mesh Network Performance

Packet Forwarding latency at each node: typical 1 ms

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Encryption & Security

64bit, 128bit WEP encryption (Hardware Accelerated)
Mesh operator username/password
Mesh ID protection
RESET button to factory default

Network Management

HTML Web based Management

Hardware Specifications

Indicators LEDs

PWR - Power
WAN - WAN Ethernet port link and activity
WLAN - Access Point activity
MESH - link and activity of upward Mesh link
EXCEL - Mesh Link is connected at 54Mbps - 48Mbps
GOOD - Mesh Link is connected at 36Mbps - 24Mbps

Network Ports

(1) 10/100Mbps auto crossover Ethernet WAN Port
(For connecting to Router or Gateway)
IEEE 802.3, 802.3u compliant

Power

Power Interface: IEEE 802.3af compliant POE
Voltage Input: 36 to 60VDC
Power Consumption(MAX): 8 watts

Environmental Conditions

Operating Temperature: 32°F to 113°F(0°C to 45°C)
Storage Temperature: 14°F to 158°F (-10°C to 70°C)
Humidity: 95% maximum relative humidity, non-condensing

Physical Specifications

Dimension: 29cm x 17.3cm x 3.5cm
Weight: 1.2lb (0.5kg)

Regulatory Compliance

Certification: FCC Part 15

