



Dual Band Access Point

A07-WA6102X-2

- Dual Band Wireless Access Point
- Rich features for small to medium enterprises
- Roaming support
- WPA e WEP encryption
- PoE interface

Edge-Core's WA6102X Dual Band Wireless AP is a cost effective enterprise access point with rich features for Small to Medium Enterprises. This dual band Access Point provides easy management and has the capabilities to give your wireless mobile workforce the best service in continuous industry-standard access to corporate network resources. Fully compliant with IEEE 802.11g (2.4GHz) & IEEE 802.11a (5 GHz) and backward compatible with 802.11b, this is the future-proof and cost effective way to quickly set up a new wireless network or extend an existing Ethernet network.



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Dual Band Access Point

TECHNICAL FEATURES

Ethernet Interface Features

Supports 1 10/100BASE-T/TX compatible with IEEE802.3
Minimum of four encryption keys
Accepts power from POE (Power Over Ethernet) and power adapter (IEEE 802.3af standard)
Supports half and full duplex mode 10/100Mbps speed for Ethernet port
DHCP Client

Wireless Network Standard

Interoperable with IEEE 802.11a compliant equipment
Auto data rate switching with 6,9,12,18,24,36,48,54 and turbo mode provided by Chipset allows auto fallback data rate for optimized reliability, throughput and transmission range.
Fixed data rate is set through management interface
Supports detachable antenna
Auto-Channel Selection
Advanced Setting
- Transmitting power
- Five Levels: Full, -3dB(50%), -6dB(25%), -9dB(12.5%), MIN
- Threshold
- RTS/ CTS, Fragmentation
Selectable long or short preamble
Selectable Beacon Interval
Selectable DTIM Interval
Roaming support IAPP 802.11f (draft version 2.2)
WDS Bridging

Security

802.1x Authentication Access Control with Key Rotation
WEP security - 64/128/152 bit
Local MAC address filtering
Radius Client support
ACL
WPA and AES
Close System

Management

QoS
VLAN support up to 16 group
Web Interface
Telnet, CLI
SNMP v1/v3*
Event Logging
Syslog RFC 3164
Supports DHCP client for IP address assignment
Configuration file upload/download
System Watchdog

MIB Support

RFC1213 MIB-2
Edge-Core Private MIB

Hot Spot

Prevents communication among wireless clients
Ethernet Type Filtering
Local Management Filtering
PPPoE
RADIUS Attributes

Electrical

Radio: Complies with IEEE 802.11a/b/g
Frequency Band
- IEEE 802.11a: 5.50 ~ 5.70GHz
- IEEE 802.11b/g: 2400 ~ 2483.5 MHz
Modulation TYPE:
- IEEE 802.11a: BPSK, QPSK, 16-QAM, 64-QAM
- IEEE 802.11b/g: CCK, BPSK, QPSK, OFDM
Data Rates
- IEEE 802.11a: 6/9/12/18/24/36/48/54 Mbps Up to 108Mbps (turbo mode)
- IEEE 802.11b/g: 1/2/5.5/11 (11b) Mbps, 6/9/12/18/24/36/48/54 Mbps (11g)
Power Adapter: Input 5V DC, 3A
Power over Ethernet: Standard IEEE 802.3af, Input voltage 48V
Ethernet: Ethernet IEEE 802.3/ 802.3u 10/100 Mbps
Transmit Power: 15~20dBm
Antenna: Detachable Antenna

Operating Channels

IEEE 802.11a
- 12 channels in base mode (US, Canada)
- 5 channels in turbo mode (US, Canada)
- 4 channels (Japan)
- 11 channels in base mode (Europe)
- 4 channels in turbo mode (Europe)
IEEE 802.11b/g
- 11 channels in base mode (US, Canada)
- 3 channels (ETSI)
- 4 channels (Japan)

Regulatory Compliance

Safety: CSA/NRTL (UL1950, CSA 22.2.950), TUV/GS (EN60950)
Electromagnetic Compatibility: CE mark, FCC Class B, CISPR Class B

Environmental

Operating Temperature: ETS 300 019-2-4 Class 4.1E modified 0°C to 55°C. Vibration class 4M3
Transportation Environment: ETS 300 019-2-2 Class 2.3 Public Transportation
Storage Temperature: 0°C ~ 70°C ambient
Humidity: Max. 95%

PRODUCT: Dual Band Acces Point
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