



# 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  
CODE: A07-WA6102X-2  
EAN CODE: 8026974009667

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