



UOW2000-AP68

Wireless-G Outdoor PoE Access Point

Add wireless capability to your existing wired network



FEATURES

- Wi-Fi compliant with IEEE 802.11g and 802.11b
- IEEE802.3af Power Over Ethernet (PoE) standard
- Output power up to 17dBm (23dBm, 26dBm option)
- Supports Point-to-Point, Point-to-multipoint, Ad Hoc mode, Infrastructure mode, AP Bridge WDS (Wireless Distribution System) wireless connectivity
- Aluminum case with outdoor Dust tight, Watertight and Weatherproof IP68 industry standard
- Supports 64/128-bit WEP, WPA (TKIP with IEEE 802.1x), WPA2 advanced wireless data encryption
- 2.4GHz ISM band, no license required for operation
- Supports DHCP server & firmware upgrade via Web
- Provides MAC access control & hidden SSID function
- Wide temperature range, robust mechanical design
- Provides wireless reverse SMA detachable antenna
- Supports SNMP v1 & Watch dog function: reboot the system while some situations make system lock up

Package Contents

- 1 x Wireless-G Outdoor PoE Access Point
- 1 x Inline Power Injector (PoE); 1 x 48V, 0.375A power Adapter; 1 x 3m Grounding Cable
- 2 x 5dBi N-Type Detachable Antenna
- 1 x Setup Utility CD-ROM
- 1 x 30m Ethernet Cable; 1 x 1.8m Ethernet Cable
- 1 x Wall Mounting Kit; 1 x Mast Mounting Kit

OVERVIEW

UOW2000-AP68 is an outdoor Wireless Access Point with aluminum case for dust tight, watertight, and weatherproof protection to meet IP68 industry standard. It is Wi-Fi compliant with both 802.11g/b dual standards and supports IEEE802.3af Power Over Ethernet (PoE) standard that provides power and data over existing network cables.

The UOW2000-AP68 eliminates the need for electricians or extension cords while installing new wireless expanding equipments. Therefore, UOW2000-AP68 can save space, reduce cables and eliminate the requirement for the dedicated electrical outlets to lower the installation cost. This PoE technology is suitable for small business, school campus, bookstore, coffee shop with internet hot spot, or enterprise wireless network environments

The UOW2000-AP68 provides WDS bridging function, allowing users to connect two or more Access Points together. It also provides Direct Sequence Spread Spectrum (DSSS) operation for transparent bridging and roaming capabilities for wireless nodes. This roaming feature makes notebooks or wireless devices portable to move everywhere within wireless signal coverage. It also included an embedded DHCP server that can automatically assign IP address to wireless clients. This device setup can be installed by the simple setup wizard provides as part of the web management utility or be manually configured for the advanced settings. Wireless network protection can be ensured by WEP encryption, Wi-Fi Protected Access (WPA) and 802.1x authentication to achieve maximum level of security.

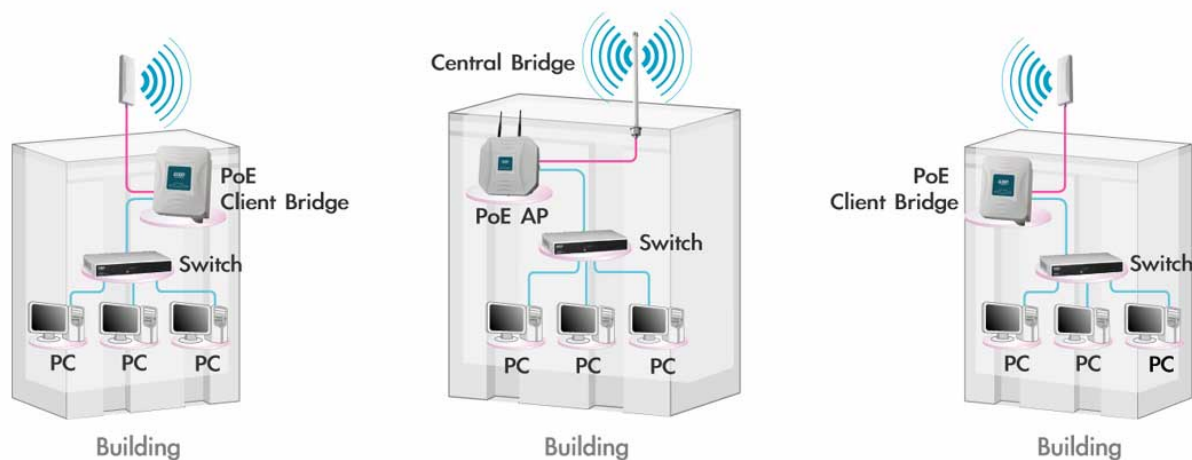
SPECIFICATIONS**Wireless LAN Specifications**

Standards	IEEE802.11b 11Mbps Wireless LAN IEEE802.11g 54Mbps Wireless LAN IEEE802.3af Power over Ethernet (PoE) IEEE802.3 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3x Full-duplex Operation and Flow Control
Data Rate	802.11g: 54 / 48 / 36 / 24 / 18/ 12 / 9 / 6 Mbps auto fallback 802.11b: 11 / 5.5 / 2 / 1 Mbps auto fallback
Frequency Band	2.4~2.484GHz ISM (Industrial Scientific Medical) Band
Operating Modes	Ad Hoc Mode Infrastructure Mode Point-to-Point Mode Point-to-Multipoint Mode WDS Mode AP Bridge Mode
Radio Channel	2 for Spain 3 for France 11 for North America 13 for Europe 14 for Japan
Modulation Technology	Orthogonal Frequency Division Multiplexing (OFDM) DBPSK @ 1Mbps DQPSK @ 2Mbps CCK @ 5.5 & 11Mbps BPSK @ 6 and 9Mbps QPSK @ 12 and 18Mbps 16-QAM @ 24 and 36Mbps 64-QAM @ 48 and 54Mbps
RF Output Power (Typical)	17dBm @ 1,2,5.5, and 11Mbps 17dBm @ 6Mbps 14dBm @54Mbps
IP Auto-Configuration	DHCP Client / Server
Receiver Sensitivity	54Mbps OFDM, 10% PER, -72dBm
Available Transmit Power	30dBm \pm 3dBm@1, 2, 5.5, and 11Mbps 30dBm \pm 3dBm@6Mbps 28dBm \pm 3dBm@54Mbps
Data Security	64/128-bit WEP WPA, WPA2 TKIP MAC Address Filtering Hide SSID in beacons Layer 2 Isolation IEEE802.1X Authenticator RADIUS Client (EAPMD5/TLS/TTLS supports in AP Mode WPA Pre Share Key (PSK)
Management Configuration	Web-based configuration (HTTP)
Firmware Upgrade	Upgrade firmware via web browser
Media Access Control	Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)K

Hardware Specifications	
Interface	1 x 10/100Mbps Waterproof Connector Wireless Access Point
RF Information	Atheros BB/MAC/RF
Antenna Type	1 x 2.4GHz Detachable 5dBi External with N-Type Connector
Power	Active Ethernet IEEE802.3af (PoE), 48 VDC/0.38A
Installation	Wall-Mounting and Mast Mounting
Dimension	284 (L) x 251 (W) x 67 (H) mm
Weight	3100g (6.8lbs)
Operating Temperature	-20° ~ 70°C (-4°F ~ 158°F)
Storage Temperature	-40° ~ 80°C (-40°F ~ 176°F)
Humidity	5 ~ 95% non-condensing
Compliant	FCC Part 15/UL, ETSI 300/328/CE, Wi-Fi Compliant

APPLICATION DIAGRAM

Building-to-Building Network Connection Diagram



The UOW2000-AP68 operates in AP mode or remote Bridge mode, and connect to UOW2000-AP/CB to construct point-to-point as well as point-to-multipoint topologies, for maximum flexibility in configuring building-to-building networks and WISP functions

ORDERING INFORMATIONS

Model	Description
UOW2000-AP68	Wireless Outdoor PoE AP with 5 dBi N-Type Antenna (IP68, Aluminum Case)

EUSSO Technologies, Inc. is a dedicated data communication and networking company. With professional experiences in design, production, marketing and service support, we deliver the full range networking products including Gigabit Ethernet, Fiber Optic, Wireless LAN, Switches, Hubs, LAN cards, PCMCIA adapters, Converter, Transceivers. As well as Internet Telephony Gateway, Print Servers, Internet Sharing Servers and many others.

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