EUSSO

Quality Networks

UOW2000-CB67

Wireless-G Outdoor PoE Client Bridge

Add wireless capability to your existing wired network

Client Bridge | 9 dBi Antenna | IP67 Outdoor | Plastic Case | Watch Dog | DHCP Server | Wi-Fi Compliant

PoE | Wireless-G | 10/100M | WPA 802.1x | WEP 64/128bit | WPA2 Security

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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)

- Support Point-to-Point, Point-to-multipoint , Ad Hoc mode, Infrastructure mode, , Client Bridge, WDS (Wireless Distribution System) wireless connectivity

- Aluminum case with outdoor Dust tight, Watertight and Weatherproof IP67 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 Client Bridge

- 1 x Inline Power Injector (PoE); 1 x 48V, 0.375A Power Adapter

- 1 x Setup Utility CD-ROM

- 1 x 1.8m Grounding cable; 1 x 30m Ethernet Cable

- 1 x Wall Mounting Kit; 1 x Mast Mounting Kit

OVERVIEW

UOW2000-CB67 is an outdoor Wireless Client Bridge with plastic case for dust tight, watertight, and weatherproof protection to meet IP67 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-CB67 eliminates the need for electricians or extension cords while installing new wireless expanding equipments. Therefore, UOW2000-CB67 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-CB67 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.
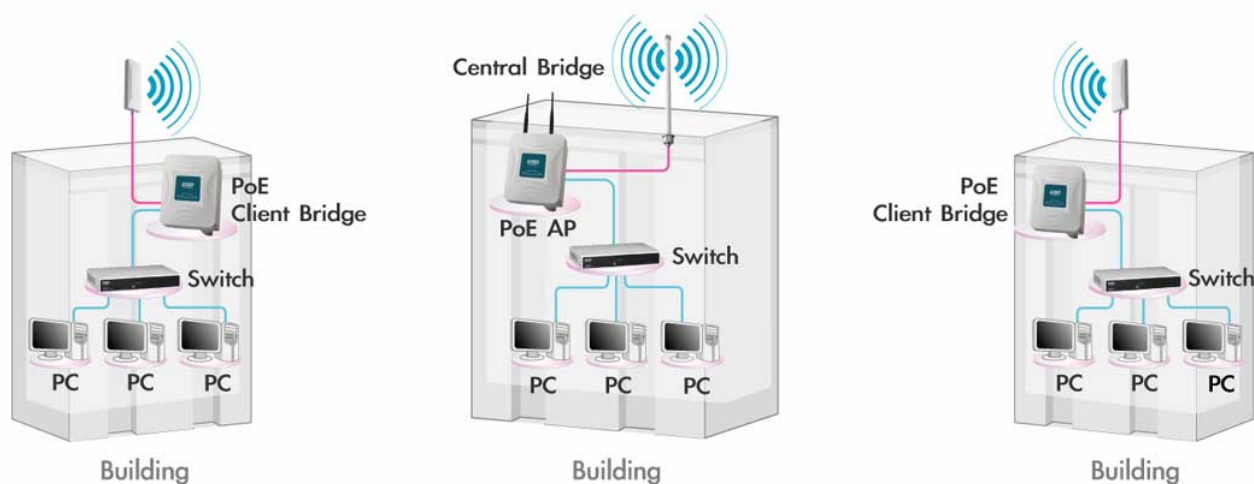
SPECIFICATIONS

Wireless LAN Specifications	
Standards	IEEE802.11b 11Mbps Wireless LAN IEEE802.11g 54Mbps Wireless LAN IEEE802.3af Power over Ethernet (PoE) IEEE802.3 10Base-T; IEE802.3u 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	Client Bridge Mode Ad Hoc Mode Infrastructure Mode Point-to-Point Mode Point-to-Multipoint Mode WDS 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 ±3bDm@1, 2, 5.5, and 11Mbps 30dBm ±3bDm@6Mbps 28dBm ±3bDm@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 RJ-45 LAN Port Wireless Client Bridge
RF Information	Atheros BB/MAC/RF
Antenna Type	1 x 2.4GHz 9dBi Internal Antenna
Power	Active Ethernet IEEE802.3af (PoE), 48 VDC/0.375A
Installation	Wall-Mounting and Mast Mounting
Dimension	209.1 (L) x 165.4 (W) x 61.5 (H) mm
Weight	600g (1.1 lbs)
Operating Temperature	-20° ~ 70℃ (-4°F ~ 158°F)
Storage Temperature	-40° ~ 80℃ (-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-CB67 operates in Client Bridge 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-CB67	Wireless Outdoor PoE Client Bridge with 9 dBi Internal Antenna (IP67, Plastic Case)

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