

AirEther™ CB11

Outdoor Wireless Client Bridge IP67 Certified Enclosure



Features and Benefits

- Built in 9dBi directional patch antenna on front panel housing for cost savings
- 200mW transmit power
- MAC address-based access control and enhanced features for stronger security
- Easy to install with cost effective Power over Ethernet (PoE)
- Wide temperature range and sturdy mechanical design
- Fully interoperable with IEEE 802.11b compliant products

The AirEther CB11 Outdoor Wireless Client Bridge offers a robust and extended wireless coverage area that is an ideal outdoor Wireless Client Bridge solution for operating in a bridge-to-bridge mode and supporting point-to-point topology for the following environments:

- Airports
- Building to Building
- Security & Surveillance
- Public Parks
- Marinas
- Beaches
- Campus
- Convention Centers
- Stadiums

Ideal Wireless Client Bridge Solutions

The Most Economical Outdoor Wireless Client Bridge Solution

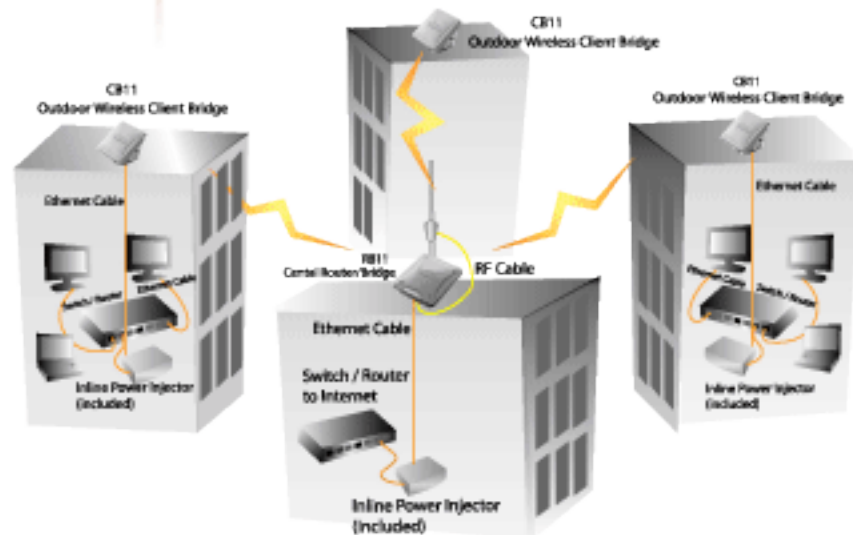
The AirEther CB11 is the most robust and affordable 11 Mbps Wireless Client Bridge, and it is the ideal solution for linking building-to-building networks. The AirEther RB11 is IP67 certified and is dust proof and protected from the effects of immersion between 15cm and 1m, providing an outdoor wireless client bridge from your building premise to the AirEther RB11 Wireless Bridge/Router. With AirEther CB11, Internet Service Providers can cost-effectively deploy last mile access networks for business and residential customers in medium-sized communities.

Flexible to Expand Wide Area Wireless Networks

The AirEther CB11 offers flexibility to function as a wireless client bridge connecting LANs to remote buildings or as a last mile broadband wireless client.

Secure and Reliable Outdoor Network Extension

The AirEther CB11 provides secure and reliable connectivity with IEEE 802.1x authentication and 64/128-bit WEP encryption between wireless clients, e.g. laptops, PDAs, and LANs. The system can be easily integrated into existing networks and network management systems. IEEE 802.1b SSID is hidden for site survey presentation. The firewall features include a MAC address filter, DoS, and IP based access control.



InscapeData

Inscape Data Corporation
www.inscapedata.com

AirEther™ CB11

Outdoor 2.4 GHz Wireless Client Bridge (IP67 Certified Enclosure)

Order Information

Model No.

AirEther CB11
Outdoor Wireless Client Bridge

Part No.

11-2004-CB1100

Package Contents

- CB11 Outdoor Wireless Client Bridge Unit
- Ethernet Inline Power Injector (PoE)
- 1.8M RS232 Console Port Cable (cross-over)
- 24V, 0.8A AC/DC Adapter with Wall-Plug Power Cord
- 30m RJ-45 CAT-5 Ethernet Cable
- 1.8 Grounding Cable
- User Manual CD
- Mast Mounting Kit
- Mast Mounting Kit

Dimension

- L = 6.38 inches (19.19 cm)
- W = 5.5 inches (13.97 cm)
- H = 2 inches (5.08 cm)

Warranty

- 1 Year (Parts and Labor)

Technical Specifications

Wireless

- IEEE 802.11b (2.4 GHz unlicensed ISM radio band)
- Frequency band: 2.4 ~ 2.484GHz
- Modulation: Direct Sequence Spread Spectrum (DSSS)
- Data Rate: CCK @ 11/5.5 Mbps, DQPSK@2Mbps, DBPSK @1Mbps
- Media Access Protocol: CSMA/CA with ACKRange
- Open Environment
 - 300m @ 11Mbps
 - 400m @ 5.5Mbps
 - 500m @ 2Mbps
 - 800m @ 1Mbps

Power Supply

- AC/DC Adapter: 24V/0.8A (via AC power outlet)
- PoE: 16~32V

Regulation Certifications

- FCC Part15
- CSA

Transmit Power

- 23dBm (200mW)

Sensitivity@ FER=0.08

- 11Mbps < -85dBm
- 5.5Mbps < -88dBm
- 2Mbps < -91dBm
- 1Mbps < -93dBm

Networking

- IEEE 802.1d bridge
- DHCP Client
- DNS Relay
- NAT/NAPT
- Virtual Server (NAT inbound server)

Security

- User authentication in Web-Based Manager
- MAC address based access control
- IEEE 802.11b 64-Bit, 128-Bit encryption

Network Management

- SNMP v1, v2
- Private MIB
- Web-based manager
- Telnet configuration

Antenna

- Build-in 9dBi directional patch antenna

Network Interface

- 1 Port 10Base-T/100-Tx Ethernet for WAN/LAN
- UART for console

Firmware Upgrade

- TFTP (Transparent FTP)
- Xmodem & 1K Xmodem
- Zmodem

Operating Channels

- North America: 1 ~ 11 (FCC)
- Europe: 1 ~ 13 (ETSI)
- Japan: 1 ~ 13 (TELEK)/ 14 (MKK)

Operating Temperature

- -20~60 °C (-4~158 °F) in operating
- -20~75 °C (-4~176 °F) in storage

Humidity (non-condensing)

- 5% to 95% typical

* Specifications subject to change without notice.

* For Distribution partner details, please visit <http://www.inscapedata.com>

Inscape Data

Inscape Data Corporation

Worldwide Headquarters

Inscape Data Corporation
1613 South Main Street, Suite 105
Milpitas, CA 95035, U.S.A.

Main: (408)935-8500

Fax: (408)935-8900

URL: www.inscapedata.com

E-mail: info@inscapedata.com

Taiwan Office

No. 2, Lane 475, ChungHo Road
YungHo City

Taiwan, Republic of China

Tel: (02)2922-7628

Fax: (02)2926-6881

Thailand Office

5/107-108 Bangrak Condominium
6TH Floor

Chareonkrung 63Rd., Yannawa

Sathorn District Bangkok 10120

Thailand

Tel: (662)212-9660

Fax: (662)212-5138