

AirEther™ BR108

5GHz Long Range Backhaul Wireless Bridge



The AirEther™ BR108 is a carrier class long range outdoor wireless bridge and is an ideal outdoor wireless backhaul solution. It is protected by an IP68 certified die-cast all weather housing and lightning protector. The BR108 is also designed for a wide variety of outdoor applications and can be deployed as point-to-point and point-to-multipoint solutions. The BR108 is an ideal backhaul solution due to its low cost, superior performance, range, ease of installation and management.

The AirEther BR108 offers two data rates, based on the IEEE 802.11a mode and the IEEE802.11a turbo mode. When the bridge operates under the IEEE 802.11a mode, it supports data rates from 6 Mbps to 54 Mbps. Under the IEEE802.11a turbo mode, it supports data rates from 12 Mbps to 108 Mbps.

KEY FEATURES & BENEFITS

- Higher Power 200mW Output**
- High Capacity 108mbps Data Rate**
- SNMP**
- Tri-Band 5.15~5.8 GHz Operating Frequency**
- Power Over Ethernet (PoE)**
- Spanning Tree Protocol**
- Up to 16 Point to Multipoint Bridge Links**
- 802.11H Smart DFS Bridge Support**

- The AirEther BR108 is flexible and operates as a PtP (Point-to-Point) or PtMP (Point-to-Multi-Point) long range wireless bridge linking networks in different buildings or remote locations
- MAC address-based access control with 54-bit/128-bit/ 152-bit WEP encryption for stronger security
- Enhanced transmission with up to 54 Mbps or 108 Mbps under turbo mode for extended wireless data rate
- Sturdy design is mechanically sealed for 100% product security under harsh weather environments and temperatures ranging from -22°F to +180°F (-30°C to +70°C)
- Industrial strength mast and wall mount bracket for easy installation
- Easy installation with cost effective Power over Ethernet (PoE)
- Unique IP68 die-cast metal weather proof housing designed to function as a ground plane, forming a perfect radiation pattern, and improved antenna performance

APPLICATIONS



AIRPORTS
Regardless if it is inside or outside of an airport, Inscape Data offers total wired or wireless IP based video security solutions that will save on your installation cost and make your monitoring more efficient



METROPOLITAN STREETS
Inscape Data's wired and wireless IP based video security solutions will save on your installation cost and make the streets and metropolitan safer

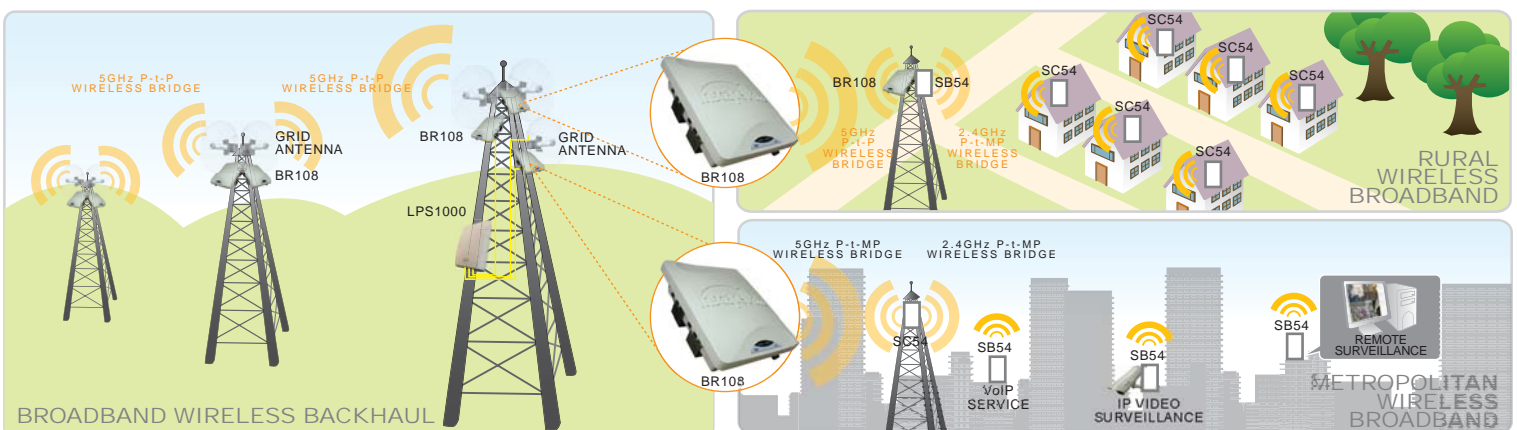


BUILDINGS
Inscape Data's wired and wireless IP based video security solutions will save on your installation cost and make your buildings more secure



SCHOOL CAMPUS
Regardless if it is inside classrooms or on a campus, Inscape Data's wired and wireless IP based video security solutions will save on your installation cost and make monitoring easier

SYSTEM CONFIGURATIONS



Standards Compliance
IEEE 802.11a
IEEE 802.3, IEEE 802.3u
802.11H, dynamic frequency selection & transmit power control
Modulation
IEEE802.11a: OFDM
Frequency Band
America/FCC : 5.15-5.85 GHz (13 channels)
Europe CE/ETSI : 5.50-5.70 GHz (13 channels)
Japan : 5.50-5.70 GHz (14 channels)
Transmission Power
23 dBm
Transmission Rate
IEEE802.11a: 6/12/18/24/36/48/54/108Mbps
Access Point Interfaces
Ethernet 10/100Base-TX: RJ-45
Receiver Sensitivity
802.11a -88@ 6Mbps, -87@ 12Mbps, -84@ 18Mbps,
-81@ 24Mbps,-76@ 36Mbps, -72@ 48Mbps, -68@ 54Mbps,
-64@108Mbps
Antenna Connector
N-Female
Security Systems
64-bit/128-bit/152-bit WEP encryption
Wireless Setting
Operation Mode - Bridge (Point-to-Point or Point-to-Multipoint 1:16)
Software/Firmware
Signal Strength Meter (dBm)
Link Quality Meter (dBm)
SNMP
Spanning Tree Protocol (802.1d)
DHCP Client
Wireless access control by MAC address (deny or accept)
Web-based configuration via popular browser (IE, Netscape)
Firmware upgrade and configuration backup via Web
Reset to default by WebUI or software
Environment Temperature
-22°F to +158°F (-30°C to +70°C)
Power
48 Volt DC 5%; 2A (Max.); AC adapter AC 100V-240V
Network Management
System OS Support Windows 95/98/Me/NT4.0/2000/XP
Warranty
One year limited

- a. 9.6" (244mm)
- b. 7.9" (201mm)
- c. 3.25" (83mm)



ANTENNA OPTIONS



SA5G21
5GHz Sector Antenna



PA5G21
5GHz Panel Antenna

ACCESSORIES



AC100
1M Low Loss
Antenna Cable
N-Male to N-Male



WC001
Waterproof
Connector Set



WC25, WC75, WC100
25Ft, 75Ft, and 100Ft CAT5
Outdoor Grade Ethernet Cables

PACKAGE CONTENTS

1. AirEther BR108 Outdoor Wireless Bridge Unit
2. POE DC Injector
3. AC-DC, Adapter with Wall-Plug Power Cord
4. Product CDROM
5. Mounting Kit - Mast Mounts (1" to 3") and Wall Mounts
6. Warranty Information Sheet
7. Weatherproof Connector Set
8. Ground Cable



THE LEADING
OUTDOOR NETWORK
APPLIANCE COMPANY

Product Information Online: <http://www.inscapedata.com/br108.htm>

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Total Turnkey Solutions for Outdoor PoE, Wired/Wireless, and IP Video Applications

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