

AeroExtend™

802.11b Outdoor Bridge Solution (WLB921)

The AeroGuard™ 11Mbps Wireless Outdoor Bridge is a high performance connectivity device specifically designed for exterior installation conditions. The Bridge links multiple networks that are physically separated in different buildings via an 802.11b wireless connection, which can be configured for point to point or point to multi-point links. Ideally suited for the rigorous conditions of business network applications.

The Outdoor Bridge is available separately or as a complete package with integrated high gain antenna, PoE and mounting accessories. The SOHware Outdoor Bridge incorporates advanced RF design to maximize transmission power and sensitivity, yet is easy to install and manage using the IWMS management system from SOHware.



WLB921-N Bridge



WLB920-N Bridge Kit

Key Features and Benefits

802.11b Compliant Wireless - Fully interoperable with other Wi-Fi compliant Bridges or APs.

Superior Quality 11 Mbps Data Links - SOHware's advanced radio frequency technology and design deliver superior data transmission performance:

- Enhanced RF receiver sensitivity improves link quality
- Outstanding range performance with signal stability possible out to 12 miles
- Optional integrated 1 Watt booster available for enhanced range

Point to Point or Point to Multi-point Networks - Eliminates the need for installed cable connections between physical locations to unify business networks. Configuration options allow for a point to point bridge or a star network bridging multiple locations. The Bridge can also be located as a mid-point relay between two bridges to bypass an obstacle, such as a geographic feature.

Ruggedized Outdoor Enclosure - Fully weatherized package is specifically intended for exterior climate conditions, in all seasons, with weatherproof cabling and connectors.

Remotely Manageable - Integrates with SOHware's IWMS management system for SNMP based network installation, monitoring and configuration features from a single network client station.

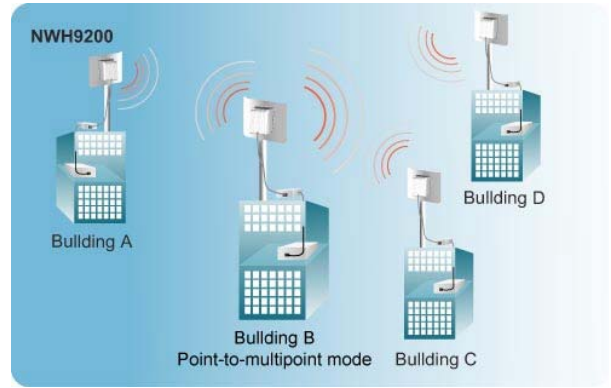
Multi-level Security - Supports 64 and 128 Bit WEP encryption across the wireless link, with authentication access control to the SNMP based management system.

Ready to Deploy Installation Kit - WLB920 is a turn-key bridging kit that includes the outdoor bridge, high gain antenna, PoE injector and mounting accessories - complete for one side.

Wireless Outdoor Bridge Applications



Point to Point



Point to Multi-Point

Specifications

Standards Compliance	IEEE 802.11b
Radio Frequency	Direct Sequence Spread Spectrum (DSSS)
Frequency Band	2.4 GHz
Transmission Rate	11 Mbps (Max.); 11 / 5.5 / 2 / 1 Mbps, Auto Fallback (dynamic rate shifting)
Transmission Range	Up to 8 km (5 miles) - 11 Mbps (in optimum line of site conditions)
Transmitter Power	20 dBm (typical), stability within ± 25 ppm
Receiver Sensitivity	-83 dBm (typical) at 11 Mbps@ 25°C
Antenna Connection	Reverse N type; includes pigtail with N(M) connector for SOHware antennas
Interface	One Ethernet Port: RJ-45
Security	64 / 128 Bit WEP encryption, SNMP authentication access control to setup
Management Software	IWMS (SNMP based - MIB 1&2): antenna alignment, auto-discover, protocol filtering, WEP, trap management, firmware upgrades O.S. support: Windows 98, NT 4.0 (SP4 +) , 2000, XP
Operating Environment	Operating Temperature: -20 - 70°C (32 - 122°F) Humidity: 5 - 95%, non-condensing
Dimensions and Weight	WLB921-N Bridge unit: 165 x 135 x 55 mm (6.52 x 5.34 x 2.17 in.), 1.13 kg WLB920-N Kit: 263 x 263 x 85 mm (10.4 x 10.4 x 3.4 in.), 2 kg
Power	Voltage: 12 V DC AC Adapter: 100 - 240 VAC Power over Ethernet (802.3af compliant)
Models	WLB921-N: Outdoor Bridge unit WLB920-N: Outdoor Bridge kit with integrated panel antenna (18 dBi) All models include: 25m Ethernet cable, mounting kit, PoE injector and pigtail
Warranty	One Year limited

Product image and specifications are subject to change without prior notice (Ver. 3.0)