FOR LAST MILE ACCESS AND
CAMPUS NETWORKING

Tsunami™ Quickbridge 11
Point-to-Point Wireless Ethernet Kit

Applications

- Campus networking – LAN extensions
- Last Mile Access

Features and Benefits

- New Wireless Outdoor Router Protocol (WORP) enables superior performance and scalability
- Pre-configured solution for easy and quick deployment
- Migration path to high-speed multipoint solution secures your investment
- 2.4GHz unlicensed frequency band, FCC, ETSI & MKK Compliant
- 128 bit WEP plus encryption with Weak Key Avoidance
- 802.3af Power over Ethernet
- Remote management and configuration via SNMP, Telnet CLI and HTTP reduce maintenance costs

Easy-to-deploy, all-in-one-box wireless LAN extension

The Tsunami QuickBridge 11 Kit is a highly reliable wireless point-to-point networking solution for any enterprise or small business. Two pre-configured bridges enable users to easily, quickly, and economically install a wireless LAN extension between two locations—eliminating the need for costly leased line or cable alternatives. The kit contains everything you need to establish a point-to-point connection, including one Tsunami MP.11 Base Station Unit, one Tsunami MP.11 Subscriber Unit, surge arrestors, antennas and Ethernet cables.

Technologically superior

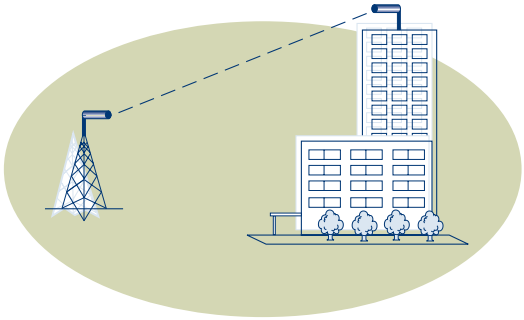
Utilizing new Wireless Outdoor Router Protocol (WORP) technology, the QuickBridge 11 Kit not only offers all the benefits of an 802.11b 11 Mbps solution but also delivers unbeatable performance, range and throughput in an outdoor environment. Created specifically for outdoor applications, WORP ensures QuickBridge 11 provides a more reliable building-to-building wireless LAN extension than standard Wi-Fi based 802.11b point-to-point solutions.

Easy installation and management

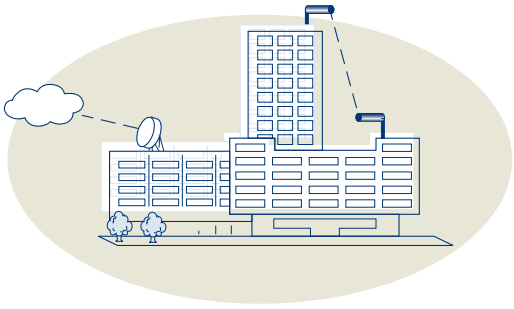
Our comprehensive step-by-step QuickBridge 11 Installation Guide is easy to follow. Instructions are provided for the physical installation of the QuickBridge 11 Kit, including mounting the pre-configured bridges and 14dbi Yagi antennas. Detailed guidelines on the installation include procedures on proper antenna alignment, cable installation, data network connectivity, configuration, testing and commissioning.

Ready for future growth

To keep pace with your growing business needs, the QuickBridge 11 Kit offers a growth path to a multipoint network. Expanding connectivity to multiple buildings is easy by simply adding additional Tsunami MP.11 Subscriber Units.



Last Mile Access



Campus Networking

Tsunami™ Quickbridge 11 Specifications

INTERFACE				
Ethernet Interface	10/100 base-T Ethernet (RJ-45)			
Wireless Interface	1 internal mPCI slot for radio NIC			
RS-232	9 pin D-Shell female (unit configuration)			
External Antenna Connector	Standard-N			
PHYSICAL SPECIFICATIONS				
Dimensions unit (H x W x L)	215 mm x 175 mm x 40 mm (8.46 in x 6.89 in x 1.57 in)			
Weight (unit + PS)	1080 gr (2.38 lb)			
ENVIRONMENTAL SPECIFICATIONS				
Operating	0–55˚C; max 95% rel. humidity (non-condensing)			
Barometric pressure	740–1050 hPa			
Storage	-20–75˚C; max 95% rel. humidity (non-condensing)			
Power Supply (Wall unit)	Autosensing 100/240 VAC; 50/60 Hz Output 12V DC 1.5A Active Ethernet (Power over Ethernet) IEEE 802.3af compliant			
RADIO				
	802.11b MiniPCI module			
Operating Frequency	2400–2483.5 GHz			
Modulation technique	Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)			
Maximum Output Power ETS FCC, MKK	 8 dBm or 15 dBm 15 dBm			
No. of selectable sub-channels ETS FCC MKK (Japan)	 13 11 14			
Antenna Connector	Proprietary connector			
Data Rate	11 Mb/s	5.5 Mb/s	2 Mb/s	1 Mb/s
Receiver Sensitivity dBm	-82	-87	-91	-94
Delay Spread (at FER of <1%)	65ns	225ns	400ns	500ns
MECHANICAL SPECIFICATION				
metal processing unit; plastic cover including wall mount facility foot for table or ceiling mount; mechanical lock; reset/reload switch				
EMC AND SAFETY COMPLIANCE				
FCC 47 CFR part 15 Class B (USA) and ICES 003 Class B (Canada)				
International/European EMC directive 89/336/EEC	CISPR22 / EN55022 , Emission class B CISPR24 / EN55024, Performance class B EN301489-17, EMC performance class B VCCI V3 and V4, Class B (Japan)			
SAFETY				
UL60950 (USA) and CSA C22.2 No. 950 (Canada)				
UL2043 for air handling space areas.				
International/European LVD directive 73/23/EC: IEC60950/EN60950				
plenum rated (UL 2043) without plastic cover				
RADIO CERTIFICATION				
FCC 47 CFR part 15 (USA) and RSS210 (Canada)				
European R&TTE Directive 99/5/EC: ETS 300328 (Europe) ARIB T-66 and RCR STD 33 (Japan)				

	MTBF	AFFR
	50.000 hours	300.000 hours

LEDs
Power; Ethernet connected; Ethernet LAN Activity; Wireless LAN Activity