Tsunami QuickBridge 20

Wireless Outdoor Bridge

APPLICATIONS

- Enterprise LAN and PBX extension
- Redundant links between locations
- Voice and data backhaul from remote POPs
- Dedicated ISP connections for large subscribers
- Connectivity for long distances
- Affordable alternative to wired networks
- High-performance alternative to indoor 802.11b bridges

Data Connectivity Made Simple

Proxim's Tsunami QuickBridge 20 is a complete, user-installable wireless point-to-point bridging solution designed for reliable building-to-building data connectivity. With 18 Mbps aggregate throughput, this hop-in-a-box is a high-performance, cost-effective alternative to leased lines and indoor Wi-Fi bridges. Eliminating the deployment challenges and recurring fees associated with standard T1 and E1 installations, the Tsunami QuickBridge 20 pays for itself in less than one year.

- Nearly three times the throughput of 802.11b bridges and more than seven times the speed of a T1/E1 leased line
- Voice over IP support enables low-cost voice transmission
- Web-based QuickBridge Manager allows flexible management of local and remote radios

Designed for Complete Ease of Use

Tsunami QuickBridge is the easiest-to-install family of broadband wireless bridges on the market. Requiring no training or wireless experience, they can be set up and installed within hours. Each solution includes everything you need to set up a link right out of the box.

- Hop-in-a-box solution includes two radios with integrated antennas, cables, mounting hardware, power supply and documentation
- Easy to use software enables fast configuration
- Audible tones ensure antennas are properly aligned

Cost-effective Connectivity

The Tsunami QuickBridge family offers the best price-performance for campus networking and backhaul applications. Supporting voice and data transmission, they can easily replace T1/E1 or DS-3 connections with a payback of less than one year.

- Capacity from 6 to 54 Mbps supports enterprise and service provider bandwidth-intensive applications
- Connectivity for buildings located up to 6 miles away
- Synchronous voice channels available for low cost PBX extensions

Flexibly Manage Your Entire QuickBridge Network

Designed for outdoor networks, Tsunami QuickBridge management tools enable network managers to view and proactively maintain all radios located throughout multiple facilities. In contrast to leasing lines, network ownership gives managers complete visibility into local and remote bridges.

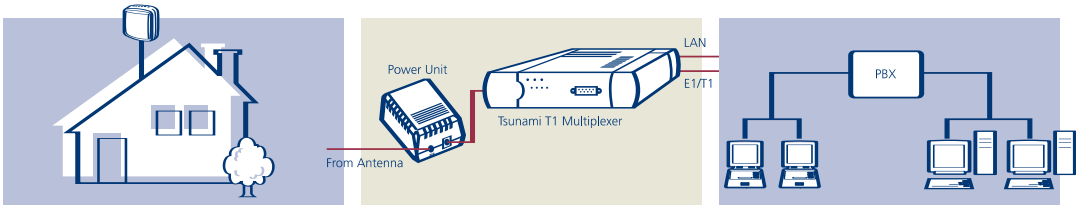
- Built-in SNMP support and web-based QuickBridge Manager simplify remote management and integrate easily into existing network policies
- Proactive alarm notifications enable network managers to maximize network performance

Secure & Reliable

A wireless alternative to a wired network provides greater control over network quality. Backed by more than 20 years of wireless design innovation, Proxim's Tsunami QuickBridge solutions offer the highest security and reliability available in networking today.

- Up to 99.995% RF link availability
- Meets or exceeds wired network security
- Proprietary encryption methods ensure secure data transmission

Installation As Easy As 1-2-3



1 Mount Quickbridge onto outside of each building

2 Using supplied CAT-5 cable, connect Quickbridge unit to indoor power unit, then to Tsunami T1 Multiplexer and power up units

3 Connect directly to exisiting LAN and PBX

Tsunami QuickBridge 20 Specifications

About Proxim

Proxim Corporation is a global leader in wireless networking equipment for Wi-Fi and broadband wireless networks. Proxim provides solutions for mobile enterprise applications, security and surveillance, last mile access, voice and data backhaul, public hot spots, and metropolitan area networks. Product families include ORiNOCO Wi-Fi products, Tsunami Ethernet bridges, and Lynx point-to-point digital radios.

	FREQUENCY BAND	AGGREGATE THROUGHPUT	CHANNEL PLANS	THRESHOLD (BER=1X10^{-6})	EIRP OUTPUT POWER	SYSTEM GAIN (INCLUDING ANTENNA)	DISTANCE (MILES/KM)
QuickBridge 20	5.725–5.825 GHz	18 Mbps	7	-89dBm	+36 dBm	145 dB	Up to 6 miles/10 Km

RADIO CHARACTERISTICS	CHANNEL PLAN	FREQUENCY	CHANNEL PLAN	FREQUENCY
Frequency	3A 3B 3C	5740.401 MHz 5774.984 MHz 5809.568 MHz	4A 4B 4C 4D	5743.85 MHz 5764.60 MHz 5785.35 MHz 5806.10 MHz
Transmit Output Power	+16 dBm max; +15 dBm typical			
Antenna	Integrated LHCP; 20dBi, 10˚ azimuth by 10˚ elevation			
Maximum Receive Level	-20 dBm error free			
Latency	2.5 msec typical, 5 msec maximum			
Access Method	Time Division Duplex			
Modulation Technique	QPSK with equalization and FEC			
Security Key	16 Character Security ID (Alphanumeric); authentication and PN transmission; scrambling			
Compliance	US: FCC Part 15.247 ISM; Canada: IC RSS 210; Model 40100-25			
DATA INTERFACE				
Ethernet Interface	10/100BaseT via AC power adapter			
Connector	RJ-45 female modular plug w/ weather-protected shell			
Cable Type	CAT5			
Compliance	IEEE 802.3			
MANAGEMENT				
Local, Remote Access	QuickBridge Manager (Java-based GUI) for discovery, status, and configuration			
Software Upgradeable	Over-the-air reprogramming			
Security	2-level password access on Manager			
ELECTRICAL SPECIFICATIONS	**QUICKBRIDGE**			
AC Power	Adapter included, 110 VAC or 220 VAC, 450mA; Output: 28V DC, 0.6 A			
DC Power (to unit)	+18 – +28 VDC			
Power Connector	Power over Ethernet CAT5 cable RJ-45			
EVIRONMENTAL SPECIFICATIONS	**QUICKBRIDGE**			
Operational Temperature	-25˚–55˚ C			
Storage Temperature	-55˚–85˚ C			
Humidity	5–100% condensing			
Altitude	Up to 10,000 ft			
Wind Loading	115 mph			
PHYSICAL SPECIFICATIONS	**QUICKBRIDGE**			
Dimensions	10.5 x 10.5 x 7 in; 26.5 x 2 6.5 x 1 4.4 cm			
Weight	10 lbs/4.5 kg			
Mounting (Installation)	Pole Mount 1.5 – 2.75 in/3.08 – 6.98 cm O.D. (hardware included for 1.75 in/4.4 cm O.D.)			
PACKAGE CONTENTS				
2 QuickBridge Radio Units, 2 sets mounting hardware, 2 power adapters, 2 sets 50 meter Cat5 cable, 2 sets user documentation & utilities on CD-Rom				
ORDERING INFORMATION				
301-48001-002	Tsunami QuickBridge 20 Kit – 110/220 VAC			

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Proxim WIRELESS NETWORKS

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