



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

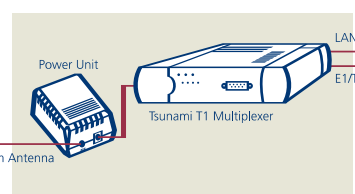
A wireless alternative to a wired network provides greater control over network quality. Backed by more than 20 years of wireless design innovation, Proxim's Tsunami QuickBridge solutions offer the highest security and reliability available in networking today.

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

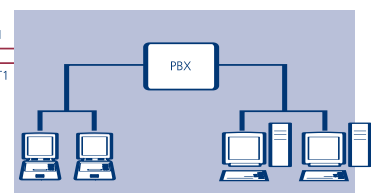
Installation As Easy As 1-2-3



- 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 existing LAN and PBX

About Proxim

Proxim Corporation is a global leader in wireless networking equipment for Wi-Fi and broadband wireless networks. The company provides its enterprise and service provider customers with wireless solutions for the mobile enterprise, public hot spots, security and surveillance, last mile access, metropolitan area networks and voice and data backhaul.

Tsunami QuickBridge 20 Specifications

| | 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 | 5740.401 MHz | 4A | 5743.85 MHz | | |
| | | 3B | 5774.984 MHz | 4B | 5764.60 MHz | | |
| | | 3C | 5809.568 MHz | 4C | 5785.35 MHz | | |
| | | | | 4D | 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 | | | | | | |
| ENVIRONMENTAL 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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