



Tsunami™ QuickBridge 60

Wireless Outdoor Bridge



The Fastest, Easiest Way to Building-to-Building Connectivity

Offering unprecedented ease-of-installation in conjunction with an aggregate throughput of 54 Mbps, the Tsunami QuickBridge 60 is the best price/performance value for building-to-building data connectivity.

Providing outdoor connectivity between buildings at distances of up to 3 miles, Tsunami QuickBridge 60 provides data connectivity at speeds that approach a standard DS-3 installation. And, because it is wireless and license-free, you can get connected without delay.

Cost-Effective Connectivity

Tsunami QuickBridge 60 greatly reduces the installation costs and recurring fees associated with standard T1, E1, or DS-3 installations. As a replacement for a DS-3 leased-line, it pays for itself in less than two months.

Fast, Easy Installation

Tsunami QuickBridge is the easiest-to-install outdoor bridge on the market — it can be installed in a couple of hours, not days. The solution includes two radio units with integrated antennas, and all of the necessary documentation, cables and mounting hardware. An antenna alignment tool uses audible tones to ensure that the antennas are properly aligned before you leave the installation site.

About the Tsunami Product Family

The Tsunami family of Ethernet bridges provides wireless solutions that meet the growing demand for transparent and reliable high-speed network interconnectivity. In addition to Tsunami QuickBridge 60, the most cost-effective outdoor bridging solution available today, the Tsunami product line includes:

Tsunami 10, a cost-effective, high capacity alternative to multiple wireline T1 connections

Tsunami 45 and Tsunami 100, carrier-class building-to-building connectivity for voice and data

Tsunami 480, the world's first license-exempt Ethernet bridge to provide Gigabit wireless connectivity using native IP.

PRODUCT HIGHLIGHTS

Fast and Easy to Deploy

- Streamlined design minimizes deployment costs
- Kit includes all cables and hardware for out-of-the-box installation
- Audible beeper for aiding antenna alignment

Rapid Return on Investment

- Rapid, easy deployment enables quick service activation at reduced costs
- High-capacity connection enables faster network traffic to deliver new service offerings

KEY FEATURES

- Fast data rates: 54, 36, 18 Mbps, user selectable aggregate
- Operates in the 5.8 GHz U-NII band and ISM band
- Point-to-point communications up to 3 miles for highest throughput setting, up to 6 miles for lowest setting
- 1 year warranty

Product Specifications

PRODUCT	FREQUENCY BAND	AGGREGATE THROUGHPUT	CHANNEL PLANS	THRESHOLD (BER=1x10 ⁻⁴)	EIRP OUTPUT POWER	SYSTEM GAIN (INCLUDING ANTENNA)	DISTANCE (MILES/KM)
Tsunami QuickBridge 60	5.725-5.825 GHz	54 Mbps	7	-77 dBm	+36 dBm	133 dB	Up to 3 miles /5 Km
		36 Mbps	7	-81 dBm	+36 dBm	137 dB	Up to 4 miles /6 Km
		18 Mbps	7	-89 dBm	+36 dBm	145 dB	Up to 6 miles /10 Km

System

Capacity	54, 36, or 18 Mbps aggregate throughput, user selectable. 27, 18, or 9 Mbps each direction respectively
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	16 QAM - QPSK, with equalization and FEC
Security Key	16 Character Security ID (Alphanumeric), authentication and PN transmission scrambling
Compliance	US: FCC Part 15.407 U-NII, 15.247 ISM; Canada: IC RSS 210 Contact Proxim for additional countries

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

Power/Environment

QuickBridge AC Power	Adapter included, 110 VAC or 220 VAC, 450mA Output; 28 V DC, 0.6 Amp
DC Power (to unit)	+18 to +28 VDC
Power Connector	Power over Ethernet CAT5 cable RJ-45 connector
Operational Temperature	-33° to 55° C
Storage Temperature	-55° to 85° C
Humidity	5-100% condensing
Altitude	Up to 10,000 ft
Wind Loading	115 mph

Physical Unit

QuickBridge Unit Size (WxHxD)	10.5x10.5x7 inches 26.5x26.5x14.4 cm
Weight	10lbs /4.5kg
Mounting (Installation)	Pole Mount 1.5-2.75"/ 3.08 – 6.98 cm O.D. (hardware included for 1.75"/ 4.4 cm O.D.)

Shipping Configuration

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

Frequency Channel

Channel Plan	Frequency
3A	5742.19 MHz
3B	5775.39 MHz
3C	5808.59 MHz
4A	5743.85 MHz
4B	5764.60 MHz
4C	5785.35 MHz
4D	5806.10 MHz

Ordering Information

48001-003	Tsunami QuickBridge 60 Kit - 110 VAC
48001-004	Tsunami QuickBridge 60 Kit - 110/220 VAC