Tsunami® QuickBridge 62000 Series

End-to-End Broadband Wireless Product Portfolio
Proxim Wireless offers extremely reliable, secure and easily-deployed solutions for interconnecting corporate and telecommunications networks. This portfolio includes:

• **Tsunami® GX800 - Proxim's** high speed Point-to-Point (PtP) licensed microwave product for carrier, service providers and enterprise applications

• **Tsunami® 8100 –** Proxim's unlicensed PtP & PtMP Product line delivering wireless performance in excess of 4G products on the market today.

• *QuickBridge® – Easiest-to-install "Hop-in a-box" complete kit Ethernet Bridge for campus and small business networks*

Proxim Wireless is a global pioneer of end-to-end broadband wireless systems that deliver the quadruple play. From Wi-Fi to wireless Gigabit Ethernet – our WLAN, Mesh, WiMAX and Point-to-Point products are available through our extensive global channel networks.

Presenting a multi Gigabit wireless backhaul solution that exceeds 4G speed requirements in a package that is the smallest in the industry.

The Tsunami® QB-62000 is a high capacity, extremely reliable and cost-effective, Point-to-Point (PtP) wireless backhaul solution. The Tsunami® QB-62000 delivers data rates of 1Gbps full Duplex for a total of 2Gbps.

The Tsunami® QB-62000 comes in an all ODU package that is the smallest in the market at 7x7 inches. Coupled with the widespread availability around the globe due to its use of the license exempt 60GHz band, this means the Tsunami® QB-62000 can be deployed almost anywhere within hours.

Superior Performance

- Gigabit per second full duplex data rates for a total of 2Gbps makes this one of the highest capacity wireless links available.
- Acting as a layer 2 bridge, latencies through the radio are less than 50 usec
- Implementing a robust modulation scheme allows the Tsunami® QB-62000 to cover up to 1km at full data rates.

License Exempt 60GHz Operation

- Operating in the 60GHz license exempt band allows rapid deployment with no licensing fees or delays.
- The Tsunami® QB-62000 operates in the middle of the 60GHz band, ensuring the product meets regulatory compliance in the maximum number of countries allowing sales around the globe.

Smallest Unit on the Market

- The Tsunami® QB-62000 implements state of the art components to reduce the size of the device to 7x7 inches.
- This tight integration also includes an integrated antenna, keeping line loss to a minimum.
- Weighing only 2.5Kgs and with an extremely small wind loading, the Tsunami® QB-62000 is able to be installed almost anywhere – light poles, monopoles, and more.

Ease of Installation and Operation

- All ODU construction keeps installation clean and simple.
- Powered by PoE+ the Tsunami® QB-62000 just needs a single cable to provide power and data connectivity with cabling up to 100M long.
- Fully manageable via a Web GUI interface and additional supporting protocols such as SNMPv3, the Tsunami® QB-62000 can easily be integrated into existing NMS operations.

PRODUCT MODELS	
QB-62000-LNK	QuickBridge 62000 Link, 57 to 64GHz, 1000 Mbps Full Duplex , Gigabit Ethernet, 37dbi antenna
INTERFACES	
WIRED ETHERNET	Single Gig E interface supporting PoE+ (802.3at)
RADIO & TX SPECS	
MODULATION	Single carrier QPSK
FREQUENCY	End Point A -59.5GHz
	End Point B - 62GHz
CHANNEL SIZE	550MHz
DATA RATE	Up to 2Gbps total
TX POWER	Up to 9 dBm
TX POWER CONTROL	-10, 0, +6, +9dBm
RX SENSITIVITY (BER=10^{-6})	-61.9dBm
RANGE	Up to 1km at full rate
3dB BEAMWIDTH	2 Degrees
LATENCY	<50usec
ANTENNA	Model QB-62000-LNK includes an Integrated 37dBi flat panel antenna
MANAGEMENT	
LOCAL AND REMOTE	Web GUI and SNMPv3
SNMP	SNMPv1/v2/v3; MIB-II ; 802.3 MAU; 802.11 MIB; Private MIB; RFC 1215; RFC 3414; RFC 1493; RFC 2668
NETWORK	
VLAN	802.1Q: Management VLAN. Transparent, Access and Trunk mode
ENVIRONMENTAL SPECS	
TEMPERATURE	
OPERATING	-40º to 60ºC (-40º to 140º Fahrenheit)
STORAGE	-40º to 85ºC (-40º to 176º Fahrenheit)
HUMIDITY	Max 100% relative humidity (non-condensing)
WATER & DUST PROOF	IP68
PHYSICAL SPECS	
DIMENSIONS	
(LxWxH)	PACKAGED 11 x 11 x 17 in (279 x 279 x 432 mm)
	UNPACKAGED 7.2 x 7.2 x 3 in (182 x 182 x 76 mm)
WEIGHT	
	PACKAGED 27 lbs (12.23 kg)
	UNPACKAGED (Each End Point Device) 5.5 lbs (2.5 kg)
PACKAGE CONTENTS	■ End Point A
	■ End Point B
	■ Alignment Bracket (Qty 2)
	■ Ice Bridge (Qty 2)
	■ RESET-CD
	■ Printed one page Quick-Install Guide
	■ POE Injector (Qty 2)
	■ 1 meter long POE Cable (Qty 2)
	■ Mast Bracket/Pole Mount (Qty 2)
MTBF	100,000 hours
WARRANTY	2-year on parts and labor; ServPak Extended Support available.

APPLICATIONS

• Backhaul to a Central POP
Avoid expensive installation and recurring charge of a wire line backhaul to a remote POP

• Leased Line Redundancy
Eliminate recurring OC12 leased line charges with one time installation charge of a QuickBridge link

• High-bandwidth Last Mile Access
Use QuickBridge to deliver TLS (Transparent LAN Services) to corporate parks, connecting buildings and their Gigabit LANs

• Inter-POP Redundancy
Avoid downtimes caused by a wire line backhaul failure by adding a QuickBridge link as an inter-POP redundancy

For detailed technical specifications, please go to **http://www.proxim.com/products/ptpwireless-backhaul/tsunamir-qb-62000-series**

proxim wireless
Proxim Wireless Corporation
www.proxim.com