



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.

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| 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 | -40° to 60°C (-40° to 140° Fahrenheit) |
| STORAGE | -40° to 85°C (-40° to 176° 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 | <ul style="list-style-type: none"> ■ 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>

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