Next generation of field-proven Tsunami QuickBridge® 8000 Wireless Backhaul Solution that Exceeds 4G Speed Requirements with 300 Mbps data rate!

The Tsunami® QB-8200, is a high power, extremely reliable and cost-effective, non-line-of-sight 4G point-to-point (PtP) wireless backhaul solution. It delivers data rates of 300 Mbps, along with excellent spectrum and 25.8 dBm high power radios for extend coverage.

With its incredible channel capacity & flexibility, excellent spectrum efficiency and a highly evolved prioritization platform tailored to deliver voice, video and data applications, the Tsunami® QB-8200 satisfies carriers, wireless service providers and Government organizations with requirements for fast and reliable wireless backhaul.

The Tsunami® QB-8200 leverages the advantages of OFDM, MIMO radio innovations and Proxim’s proprietary Wireless Outdoor Routing Protocol (WORP®) to provide wireless performance in excess of 4G products on the markets today.

**World-class Performance**
- Point-To-Point system that delivers 300 Mbps data rate at distances of over 5 miles (8 km)
- Very low latency of 2 to 3 ms to support voice and video applications over long distances
- Dual IPv4 and IPv6 stack for transparent evolution to tomorrow networks
- Built-in feature rich network protocols for bridging, routing and gateway functionality

**Non-Line-of-Sight and Advanced Features**
- Non-line-of-sight capable, utilizing OFDM and enhanced 3x3 MIMO techniques to better penetrate through obstructions
- Features dual Gigabit Ethernet ports with PoE out to power other devices like surveillance cameras or additional radios
- Enables packet identification to create unique and sophisticated service rules and tiered service classes with ease
- Compatibility with LACP switches for link aggregation
- Spectrum analyzer to help study frequency bands for interference, and select a relatively low interference channel.

**Frequency Agnostic**
- Operates in licensed and unlicensed frequency bands
- Flexible channel planning with 5, 10, 20 and 40MHz size
- Provides support for extended frequency bands from 4.900 to 5.925 GHz

**Carrier-Grade Security**
- Implements tiered security layers for the most secure outdoor wireless communications in the unlicensed frequency spectrum
- Utilizes Proxim’s Wireless Outdoor Routing Protocol (WORP®), which prevents snooping, and features highly-secure remote management via SSL, SSH and SNMPv3
- Provides military-grade security with AES encryption technology, prevents unsecure client-to-client communications and leverages MAC, Ethertype and IP address packet filtering for granular network security

**Cost Effective and Ease of Use for Quick Return on Investment**
- Suitable for the carriers, WISP and Government markets
- Certified for deployments in the Americas, Europe and Asia
- The most cost-effective, high performance point-to-point solution from Proxim, enabling any deployment to enjoy a quick return on investment

**Product Line Compatibility**
- Connects to existing Tsunami® QB-8100

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Proxim Wireless is a global pioneer of broadband wireless systems that deliver the quadruple play of video, voice, data and mobility. Regardless of the application, our end-to-end product portfolio enables partners to custom-build the wireless solution that fits customer’s specific needs. Our point-to-point wireless backhaul products are available through our extensive global channel networks.

**Wireless Product Portfolio**

- **Tsunami® 8200 Series**
  - PtP & PtMP product line delivering 300 Mbps plus data rate
- **Tsunami® 800 Series**
  - Compact and robust, high performance, PtP & PtMP product line
- **Tsunami® .11 Series**
  - Our best selling Point-to-point and multipoint product line
- **Tsunami® GX-810 Series**
  - Carrier-class IP Ethernet bridge for voice and data backhaul for service providers and enterprise applications
- **ORINOCO® AP 8000 Series**
  - The industry’s highest performance 802.11a/b/g/n access points

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Tsunami QuickBridge® 8200 Series
High Power Point-to-Point Wireless Bridge Bundle
## PRODUCT MODELS
- **QB-8200-LNK**: Tsunami® QB 8200 Link, 300 Mbps, MIMO 3x3, Type-N Connectors (Two QB-8200-EPA)
- **QB-8250-LNK**: Tsunami® QB 8250 Link, 500 Mbps, MIMO 2x2, 23 dBi Integrated Antenna (Two QB-8250-EPR)

## INTERFACES
- **WIRED ETHERNET**
  - Two auto MDI-X RJ45 10/100/1000Mbps Ethernet
  - Port #1 with PoE in & Data
  - Port #2 with PoE out (802.3af pin out) & Data

- **WIRELESS PROTOCOL**
  - WORP® (Wireless Outdoor Router Protocol)

## RADIO & TX SPECS
- **STORAGE TEMPERATURE**: 40º to 60ºC (Subject to Country Regulations)
- **IP RATING**: IP67 - Rated for outdoor environments with a temperature range of 55º to 80ºC (131º to 176º Fahrenheit)

## PHYSICAL SPECS
- **MAXIMUM TX POWER**: Up to 25.8 dBm (Tri-chain)
- **RX POWER CONTROL**: 0 to 25 dB, in 0.5 dB steps. Automatic TPC with configurable ERP limit
- **RX SENSIVITY (PER-10%)**:
  - Channel Size: 40 MHz
  - 20 MHz
  - 10 MHz
  - 5 MHz
  - MCS 0: -87 dBm
  - -91 dBm
  - -96 dBm
  - -98 dBm
  - MCS 7: -71 dBm
  - -74 dBm
  - -76 dBm
  - -79 dBm
  - MCS 8: -87 dBm
  - -91 dBm
  - -93 dBm
  - -96 dBm
  - MCS 15: -68 dBm
  - -72 dBm
  - -74 dBm
  - -77 dBm

## ENVIRONMENTAL SPECS
- **POWER CONSUMPTION**
  - 12 Watt typical (22 Watt max)

## APPLICATIONS
- **Backhaul to a Central POP**
  - Avoid expensive installation and recurring charge of a second wire line backhaul to a remote virtual POP
- **Leased Line Redundancy**
  - Eliminate recurring DS-3 leased line charges with one time installation charge of a QuickBridge link
- **Repeater**
  - Extend distance or overcome path blockage by adding point-to-point hops
- **High-bandwidth Last Mile Access**
  - Use QuickBridge to deliver TLS (Transparent LAN Services) to corporate parks
- **Inter-POP Redundancy**
  - Avoid downtimes caused by a wireline backhaul failure by adding a QuickBridge link as an inter-POP redundancy

## PACKAGE CONTENTS
- **One Tsunami® QB-8200-LNK** based on two QB-8200-EPA with three N-type surge protected connectors
- **Two power injectors and country specific power cord**
- **Two Wall / Pole mounting kit**
- **Two Grounding kit**
- **Two Gigabit PoE Surge Arrestor**
- **One Quick Installation Guide**

## MTBF & WARRANTY
- >250,000 hours & 1-year on parts and labor; ServPak Extended Support available.

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