Next generation of field-proven Tsunami® 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
- 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 Gigabit services to extend coverage
- Spectrum analyzer to help study frequency bands for interference, and select a relatively low interference channel.

Frequency Agnostic
- Operates on 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
### PRODUCT MODELS

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<th>Mode</th>
<th>Description</th>
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<tr>
<td>QB-8200-LNK</td>
<td>Tsunami® QB 8200 Link, 300 Mbps, MIMO 3x3, Type-N Connectors (Two QB-8200-EPA)</td>
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<tr>
<td>QB-8250-LNK</td>
<td>Tsunami® QB 8250 Link, 300 Mbps, MIMO 2x2, 23 dBi Integrated Antenna (Two QB-8250-EPR)</td>
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### 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

### ENVIRONMENTAL SPECS

- **Power Consumption**: 12 Watt typical (22 Watt max)
- **Temperature**: Operating: -40°F to 60°F (-40°C to 140°F Fahrenheit)
- **Humidity**: Max 100% relative humidity (non-condensing)
- **Wind Loading**: 125 mph
- **Water & Dust Proof**: IP67

### Dimensions

- **Packaged**
  - Model QB-8200-EPA: 14.56 x 13.69 x 8.18 in (370 x 348 x 208 mm)
  - Model QB-8250-EPR: 15.94 x 15.94 x 9.21 in (405 x 405 x 234 mm)
- **Unpackaged**
  - Model QB-8200-EPA: 10.79 x 11.14 x 3.38 in (274 x 283 x 86 mm)
  - Model QB-8250-EPR: 14.17 x 14.17 x 3.70 in (370 x 370 x 94 mm)

### Specifications

- **QoS**
  - Asymmetric Bandwidth Control
  - Uplink and Downlink CIR Control: "committed information rate" per service flow Uplink and Downlink MIR Control: "maximum information rate" per service flow
  - Packet Classification Capabilities
    - 802.1D/802.1Q/802.1p priority, IPTOS, VLAN ID, IP source/destination address, source/destination port, Ethernet source/destination address, IP protocol, and Ethertype
  - Scheduling: Best Effort, Real Time Polling Services

### Power Consumption

- **VLAN**: 802.1Q: Management VLAN. Transparent, Access, Trunk and Mixed mode. QinQ double tagging

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