Proxim Wireless is a leader and an early innovator in wireless technology providing high-speed, long-range broadband wireless solutions. Proxim introduces Tsunami Quickbridge® 825 series, an incredibly cost-effective, non Line-of-Sight Point-to-Point (PtP) wireless backhaul solution. With this complete "Hop-in-a-Box" solution delivering up to 100 Mbps throughput, deployments of all sizes will enjoy a quick return on investment.

With excellent spectrum efficiency and a highly evolved prioritization platform tailored to deliver voice, video and data applications, Tsunami Quickbridge® 825 series satisfies carriers, wireless service providers and Government organizations with requirements for reliable cost optimized high performance wireless backhaul.

Leveraging the advantages of OFDM and the latest MIMO radio innovations, Tsunami Quickbridge® 825 series draws on Proxim's proprietary Wireless Outdoor Router Protocol (WORP®) to deliver an unmatched outdoor wireless performance when compared to other products in the market today.

World Class Performance
- Features a very small form factor and an outdoor rated IP67 Metal enclosure
- Available with 15 dBi integrated antenna
- 50 Mbps (license upgradable to 100 Mbps) or directly 100 Mbps of throughput with maximum data rates of 300Mbps
- Provides flexible channel planning with support for 5150 to 5 925 GHz
- Comes with a 2x2 MIMO high power radio capable of 26 dBm transmit power
- Allows flexible bandwidth allocation for service tiers
- Spectrum analysis feature helps to study frequency bands for interference, and select a relatively low interference channel

All-in-One Link with Security Features
- Built-in feature rich network protocols for Bridging and Routing
- Advanced encryption protects over-the-air transmission via AES-128
- Radio mutual authentication eliminates unauthorized use of the system by rogue End Point and man-in-the middle attacks
- MAC, Ether type, IP address packet filtering provides granular network security
- Uses Proxim’s Wireless Outdoor Routing Protocol (WORP®) to prevent snooping
- Features highly-secure remote management via SSL, SSH and SNMPv3

Cost Effective and Ease of Installation for Quick Return on Investment
- Low-cost bundle including both radio and mounting kit provides the industry’s most aggressive price point, enabling any deployment to enjoy a quick return on investment
- License-free frequency bands worldwide provide reliable wireless broadband without the high cost of licensed frequencies
- Comes as a complete "Hop-In-A-Box" compact outdoor form factor offering unprecedented ease of installation
- Non Line-of-Sight capability provided by Advanced Orthogonal Frequency Division Multiplexing (OFDM) along with 2x2 MIMO eases deployment in challenging areas
- Synchronization ready to optimize channel usage of collocated link
Specifications: Tsunami Quickbridge® 825 series

**PRODUCT MODELS**
- QB-825-LNK-50*: Tsunami® QB 825 Link, 50 Mbps (upgradeable to 100 Mbps), MIMO 2x2, 15 dB antenna (Two QB-825-EPR-50*)
- QB-825-LNK-100: Tsunami® QB 825 Link, 100 Mbps, MIMO 2x2, 15 dB antenna (Two QB-825-EPR-100)

**INTERFACES**
- **WIRELESS PROTOCOL**: One auto MDI-X RJ45 1/10/100/1000 Mbps Ethernet with PoE in
- **WIRELESS PROTOCOL**: WORP® (Wireless Outdoor Router Protocol) or WORP sync

**POWER CONSUMPTION**
- Via provided PoE injector or directly from 12 VDC source through serial port
- 6 Watt typical (15 Watt max)

**SCHEDULING**
- 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, IP/802.1Q VLAN ID, IP source/destination address, source/destination port, Ethernet source/destination address, IP protocol, and Ethertype
- Scheduling
  - Best Effort, Real Time Polling Services

**MODES**
- Bridging (support LACP through external switches), Routing (RIP v2 and IP tunneling)

**GATEWAY FEATURES**
- DHCP Server & relay, NAT with std ALGs
- IPv4 and IPv6 simultaneously

**THROUGHPUT**
- QB-825-EPR-50*: Up to 50 Mbps (license upgradeable to 100 Mbps), QB-825-EPR-100: Up to 100 Mbps

**Dimensions & Weights**
- Dimensions (packaged): 11.81 x 10.83 x 5.31 in (300 x 275 x 135 mm)
- Dimensions (unpackaged): 9.6 x 8.82 x 2.58 in (246 x 219 x 65.5 mm)
- Weight (packaged): 7.27 lbs (3.3 Kg)
- Weight (unpackaged): 2.1 lbs (0.950 kg)

**OPERATING TEMPERATURE**
- -40º to 55ºC (-40º to 131º Fahrenheit)

**STORAGE TEMPERATURE**
- -55º to 70ºC (-67º to 158º Fahrenheit)

**HUMIDITY, WATER & DUST PROOF, WIND LOADING**
- Max 100% relative humidity (non-condensing), IP67, 180 km/h (112 mph)

**Antenna**
- QB-825-EPR-50* and QB-825-EPR-100: Integrated dual 15 dBi dual Polarized (H+V) panel antenna (14 dB beyond 5.850 GHz)

**POWER SUPPLY**
- Via provided PoE injector or directly from 12 VDC source through serial port

**MANAGEMENT**
- Local: RS-232 serial (RJ11 to DB-9 dongle provided)
- Remote: Telnet and SSH, Web GUI and SSL, TFTP, SNMPv3
- Other: Syslog, sFlow™ agent, SNTP and local time, Spectrum analyzer

**ENVIRONMENTAL SPECs**
- 11.81 x 10.83 x 5.31 in (300 x 275 x 135 mm)
- 4.96 x 8.82 x 2.58 in (126 x 219 x 65.5 mm)
- 7.27 lbs (3.3 Kg)
- 2.1 lbs (0.950 kg)

**SAFETY STANDARDS**
- UL 60950-1/2, CAN/CSA-C22.2 No. 60950-1/22, IEC 60950-1/2, EN 60950-1/22

**PACKAGE CONTENTS**
- One Tsunami® QB-825-LNK-50“ / 100 with integrated antennas (Two Tsunami® QB-825-EPR-50“ / 100)
- Two 32 W power injectors with reload button and country specific power cord
- Two Connector weatherproofing kit (Includes all recommended weatherproofing material)
- One Tsunami Quickbridge® 825 series Quick Installation Guide
- Two Wall / Pole mounting kit
- Two Serial (RJ-11 to DB9) dongle
- Two Grounding kit

**MTBF & WARRANTY**
- >350,000 hours & 1-year on parts and labor, ServPak Extended Support available

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