Proxim Wireless is a leader and an early innovator in wireless technology providing high-speed, long-range broadband wireless solutions. Proxim introduces Tsunami Quickbridge® 826 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® 826 series satisfies carriers, wireless service providers and Government organizations with requirements for reliable cost optimized high performance wireless backhaul operating in the 5.900 – 6.425 GHz band.

Leveraging the advantages of OFDM and the latest MIMO radio innovations, Tsunami Quickbridge® 826 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.

Presenting Proxim’s newest compact Point-to-Point wireless backhaul solution operating in the 5.900 – 6.425 GHz band

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World Class Performance

- Features a very small form factor and an outdoor rated IP67 Metal enclosure
- Available with 15 dbi integrated antenna
- 100Mbps of throughput with maximum data rates of 300Mbps
- Provides flexible channel planning with support for 5.900 to 6.425 GHz
- Comes with a 2x2 MIMO high power radio capable of 25 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
PRODUCT MODELS
QB-826-LNK-100  Tsunami® QB 826 Link, 100 Mbps, MIMO 2x2, 15dBi integrated antenna (Two QB-826-EPR-100)

INTERFACES
WIRELESS PROTOCOL
One auto MDI-X RJ45 10/100 Mbps Ethernet with PoE in

WIRELESS PROTOCOL
WORP® (Wireless Outdoor Router Protocol)

MIMO
2x2 MIMO

MODULATION
OFDM with BPSK, QPSK, QAM16, QAM64

FREQUENCY
5.900 – 6.425 GHz (Subject to Country Regulations)

CHANNEL SIZE
40 MHz, 20 MHz, 10 MHz, 5 MHz channel bandwidths

DATA RATE
MCS 0 to 15 for High Throughput mode (6.5 – 300 Mbps) with Dynamic Data Rate Selection

TX POWER
Up to 25 dBm (dual chain)

TX POWER CONTROL
0 – 20 dB, in 0.5 dB steps. Automatic TPC with configurable EIRP limit

OTHER
Dynamic Channel Selection (DCS) based on interference detection, Automatic Transmit Power Control (ATPC) with EIRP limit support

RX SENSITIVITY

<table>
<thead>
<tr>
<th>Channel Size</th>
<th>40 MHZ</th>
<th>20 MHZ</th>
<th>10 MHz</th>
<th>5 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCS 0</td>
<td>-90 dBm</td>
<td>-93 dBm</td>
<td>-97 dBm</td>
<td>-100 dBm</td>
</tr>
<tr>
<td>MCS 7</td>
<td>-70 dBm</td>
<td>-73 dBm</td>
<td>-75 dBm</td>
<td>-78 dBm</td>
</tr>
<tr>
<td>MCS 8</td>
<td>-88 dBm</td>
<td>-91 dBm</td>
<td>-94 dBm</td>
<td>-96 dBm</td>
</tr>
<tr>
<td>MCS 15</td>
<td>-66 dBm</td>
<td>-69 dBm</td>
<td>-71 dBm</td>
<td>-74 dBm</td>
</tr>
</tbody>
</table>

ANTENNA
Integrated 15 dBi dual Polarized (H+V) panel antenna

MANAGEMENT
REMOTE
Telnet and SSH, Web GUI and SSL, TFTP, SNMPv3

SNMP
SNMP v1-v2c-v3, RFC-1213, RFC-1215, RFC-2790, RFC-2571, RFC-3412, RFC-3414, Private MIB

OTHER
Syslog, sFlow™ agent, SNTP and local time, Spectrum analyzer

SECURITY
ENCRYPTION
AES-CCM 128 bits

AUTHENTICATION
Internal MAC Address Control List, Radius based Authentication (with VLAN and GoS provisioning)

NETWORK
MODES
Bridging, Routing (RIP v2 and IP tunneling)

GATEWAY FEATURES
DHCP Server & relay, NAT with Std ALGs

STACK
IPv4 and IPv6 simultaneously

THROUGHPUT
Up to 100 Mbps

GoS
Asymmetric Bandwidth Control

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

VLAN
802.1Q: Management VLAN. Transparent, Access, Trunk and Mixed mode. QnQ double tagging

POWER CONSUMPTION
6 Watt typical (15 Watt max)

ENVIRONMENTAL SPECS
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)

PHYSICAL SPECS
DIMENSIONS (PACKAGED)
13.97 x 8.86 x 6.92 in (355 x 225 x 176 mm)

DIMENSIONS (UNPACKAGED)
4.96 x 8.62 x 2.58 in (126 x 219 x 65.5 mm)

WEIGHT (PACKAGED)
9.8 lbs (4.45 Kg)

WEIGHT (UNPACKAGED)
2.1 lbs (0.950 kg) – Each end point

SAFETY STANDARDS
UL 60950-1/22

PACKAGE CONTENTS

- One Tsunami® QB-826-LNK-100 with integrated antenna (Two Tsunami® QB-826-EPR-100 )
- Two 20 W power injector and country specific power cord
- Two basic Pole mounting kit
- Two Connector weatherproofing kit (Includes all recommended weatherproofing material)
- Two Grounding kit
- Two Quick Installation Guide

MTBF & WARRANTY
>200,000 hours & 1-year on parts and labor; ServPak Extended Support available

www.proxim.com