Compact integrated antenna backhaul solution operating in the 5.900 – 6.425 GHz band.

Tsunami Quickbridge® 826 series is 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.

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

Reducing Costs for Wireless ISPs

- 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
- 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

About Proxim Wireless

Proxim Wireless is a pioneer and global leader in advanced Wi-Fi, point to point, and point to multipoint outdoor wireless systems that deliver high performance and high availability communications.

With over 30 years of wireless experience, Proxim is recognized for its unparalleled reliability, superior performance and drive for innovation.

Specifications

PRODUCT MODELS	
QB-826-LNK-100	Tsunami QB 826 Link, 100 Mbps, MIMO 2x2, 15dBi integrated antenna (Two QB-826-EPR-100)

INTERFACES	
WIRED ETHERNET WIRELESS PROTOCOL	One auto MDI-X RJ45 10/100Mbps Ethernet with PoE in WORP® (Wireless Outdoor Router Protocol)

RADIO & TX SPECS	
MIMO MODULATION OPERATING FREQUENCY CHANNEL SIZE DATA RATE TX POWER TX POWER CONTROL	2x2 MIMO OFDM with BPSK, QPSK, QAM16, QAM64 5.900 – 6.425 GHz (Subject to Country Regulations) 40 MHz, 20 MHz, 10 MHz, 5 MHz channel bandwidths MCS 0 to 15 for High Throughput mode (6.5 – 300 Mbps) with Dynamic Data Rate Selection Up to 25 dBm (dual chain) 0 – 20 dB, in 0.5 dB steps. Automatic TPC with configurable EIRP limit

	Channel Size	40 MHz	20 MHz	10 MHz	5 MHz
RX SENSITIVITY (PER=10^{-6})	MCS 0	-90dBm	-93dBm	-97dBm	-100dBm
	MCS 7	-70dBm	-73dBm	-75dBm	-78dBm
	MCS 8	-88dBm	-91dBm	-94dBm	-96dBm
	MCS 15	-66dBm	-69dBm	-71dBm	-74dBm
OTHER	Dynamic Channel Selection (DCS) based on interference detection Automatic Transmit Power Control (ATPC) with EIRP limit support				

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

MANAGEMENT	
REMOTE SNMP OTHER	Telnet and SSH, Web GUI and SSL, TFTP, SNMPv3 SNMP v1-v2c-v3, RFC-1213, RFC-1215, RFC-2790, RFC-2571, RFC-3412, RFC-3414, Private MIB Syslog, sFlow™ agent, SNTP and local time, Spectrum analyzer

SECURITY	
ENCRYPTION AUTHENTICATION	AES-CCM 128 bits Internal MAC Address Control List, Radius based Authentication (with VLAN and QoS provisioning)

QoS	
Asymmetric Bandwidth Control Packet Classification Capabilities Scheduling	UL and DL CIR Control "committed information rate" per service flow UL and DL MIR Control "maximum information rate" per service flow 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 Best Effort, Real Time Polling Services

NETWORK	
MODES IP STACK THROUGHPUT GATEWAY FEATURES VLAN	Bridging, Routing (RIP v2 and IP tunneling) IPv4 and IPv6 simultaneously Up to 100 Mbps DHCP Server & relay, NAT with Std ALGs 802.1Q: Management VLAN. Transparent, Access, Trunk and Mixed mode. QinQ double tagging

POWER CONSUMPTION	
	6 Watt typical (15 Watt max)

ENVIRONMENTAL SPECS	OPERATING TEMPERATURE	STORAGE TEMPERATURE	HUMIDITY - Water & Dust Proof	WIND LOADING
	-40° to 55°C (-40° to 131° Fahrenheit)	-55° to 70°C (-67° to 158° Fahrenheit)	Max 100% relative humidity (non-condensing) - IP67	180 km/h (112 mph)

PHYSICAL SPECS	DIMENSIONS PACKAGED	DIMENSIONS UNPACKAGED	WEIGHT (PACKAGED)	WEIGHT (UNPACKAGED)
MP-820-BSU-100/SUA-50+/ SUA-100	13.97 x8.86 x 6.92 in (355 x 225 x 176 mm)	4.96 x 8.62 x 2.58 in (126 x 219 x 65.5 mm) – Each End Point	9.8 lbs (4.45 Kg)	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	
	MTBF over 200,000 hours & 2-year warranty with ServPak Extended Support available