Tsunami® 820 Series
Engineered for Superior Value

Compact, IP67 Form Factor

Dual Sync & Async Mode

High Power

Pay as you Grow

Backward Compatible

Easy to Install

Tsunami® 820 Feature Set

Designed with Wireless ISPs in mind ,The Tsunami® 820 is an ultra-compact, IP67 grade robust and cost-effective wireless solution that features "pay as you grow" bandwidth upgrade options. Advanced bandwidth management and affordable price points of the Tsunami® 820, enable wireless ISPs to easily deploy high performance broadband with quick returns on investment. Moreover the compact form factor ensures compliance in NIMB (Not in my backyard) geographies that are sensitive to large form factors and visual appeal.

Additionally it features NLoS functionality and leverages the advantages of OFDM, MIMO radio innovations and supports both asynchronous mode with WORP® MAC technology and synchronous mode with TDMA based WORP sync MAC technology to ensure guaranteed QoS in all RF environments.

High Power

Distance does not Deter Performance
Designed with a high 26 dBm dual chain power transmitter, and 2x2 MIMO technology, the 820 delivers superior connectivity even in harsh environment.
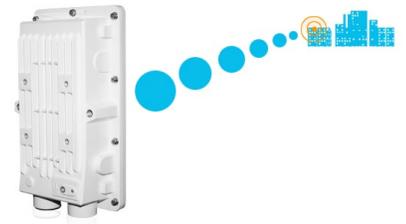
Dual Sync or Async Support

Select as per your convenience
The Tsunami® 820 gives you unparalleled flexibility with the dual mode support. The 820 supports both asynchronous mode with WORP® technology and Synchronous mode- WORP Sync. The WORP Sync also offers a unique co-existence feature with other vendor's solutions.

Built for The Extremes

High Performance Delivered. Anytime, Anywhere
The 820 aluminum enclosures is approved after stringent screening involving Drop, Shock, Salt Spray, Thermal, and Reliability tests. In addition, the enclosures is IP 67 rated that ensures the 820 delivers high performance even in hostile weather conditions with minimal downtimes.

Compact

Quick and Easy to Install
Though designed in a small form factor, the 820 packs quite a punch. The 820 is a complete solution that comes with a plethora of installation tools, not to mention the on board signal strength indicator that makes installations really easy and hassle free.

Pay as you Grow

Pay for high speed only when you need it

If you are starting up or are a large scale service provider, the Tsunami® 820 has got you covered. The QB-825 comes at a factory data rate of 50 Mbps and can be upgraded to 100Mbps with a license upgrade.
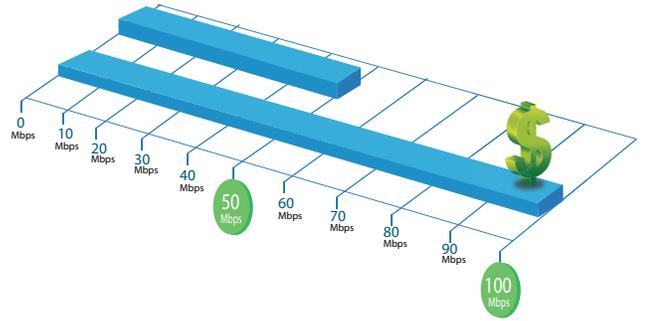
Fully Compatible

Pair it up with any of our Base Stations

The 820 Point-to-Multipoint subscribers and CPE are totally backward compatible with any generation of the Tsunami base stations, to give you the flexibility of scaling your existing networks.

At a Glance

Model	Type	Throughput	Antenna
MP-820-BSU-100	Base Station Unit	100 Mbps	N-Type Connectors
MP-820-BS3-100	Base Station Unit	100 Mbps	15 dBi Sector Antenna
MP-820-SUA-50+	Subscriber Unit	50 Mbps (upgradeable to 100 Mbps)	N-Type Connectors
MP-820-SUA-100	Subscriber Unit	100 Mbps	N-Type Connectors
MP-825-SUR-50+	Subscriber Unit	50 Mbps (upgradable to 100 Mbps)	15 dBi Panel Antenna
MP-825-SUR-100	Subscriber Unit	100 Mbps	15 dBi Panel Antenna
MP-825-CPE-50	Customer Premise Equipment	50 Mbps	15 dBi Panel Antenna
MP-825-CPE-100	Customer Premise Equipment	100 Mbps	15 dBi Panel Antenna
QB-825-LNK-50+	Point-to-Point	50 Mbps (upgradable to 100 Mbps)	15 dBi Panel Antenna

All Tsunami 82x come with MIMO 2x2, operate in 4.9-5.9 GHz (integrated antenna only operate from 5.150 to 5.950 GHz) and Tx Power 26dBm

Feature and Technology Summary

World-class Performance	Highly Secure	Reducing Costs for Wireless ISPs	Easy to Install
WORP Sync: Collocated Base Station synchronization	Advanced encryption protects over-the-air transmission via AES-128	License-free frequency bands worldwide provide reliable wireless broadband without the high cost of licensed frequencies	Comes as a complete compact outdoor form factor offering unprecedented ease of installation
Comes with a 2x2 MIMO high power radio capable of 26 dBm transmit power	Radio mutual authentication eliminates unauthorized use of the system by rogue subscriber units and man-in-the middle attacks	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	Deployment tools include spectrum analyzer, antenna alignment and remote management configuration
Features a very small form factor and an outdoor rated IP67 Metal enclosure	MAC, Ether type, IP address packet filtering provides granular network security		Non Line-of-Sight capability provided by Advanced Orthogonal Frequency Division
Service flow based Quality of Service with advanced packet recognition (layer 2, 3 or 4)	Uses Proxim's Wireless Outdoor Routing Protocol (WORP®) to prevent eavesdropping		Multiplexing (OFDM) along with 2x2 MIMO eases deployment in challenging areas
50Mbps (license upgradeable to 100Mbps) or 100 Mbps of throughput, with maximum data rates of 300Mbps	Features highly-secure remote management via SSL, SSH and SNMPv3		Connects to all existing Tsunami® MP.11, Tsunami® 8100 and Tsunami® 8200
Provides flexible channel planning with support for 4.900 to 5.925 GHz			
Dynamic bandwidth allocation for service tiers			
Available with 15 dBi integrated antenna or N-Type connectors			
Powered via 802.3at PoE or directly from 12 VDC source for in-vehicle installation			
Multi-cast traffic compliant (no performance reduction) and built in IGMP snooping			