Proxim Wireless is a global pioneer of broadband wireless systems that deliver the quadruple play of video, voice, data and mobility. Regardless of the application, our end-to-end product portfolio enables partners to custom-build the wireless solution that fits customer’s specific needs. Our point-to-point wireless backhaul products are available through our extensive global channel networks.

Presenting a Wireless Solution that exceeds 4G Speed Requirements with 300 Mbps data rate in 5.900 – 6.425 GHz Frequency Range!

With over 20 years of wireless innovation, Proxim has been providing Point-to-Multipoint (PtMP) solutions to carriers of all sizes for many years. Leveraging the advantages of OFDM, MIMO radio innovations and Proxim’s proprietary Wireless Outdoor Routing Protocol (WORP®), the Tsunami® MP-8100 exceeds the ITU requirements for 4G throughput speeds while providing Non-Line-Of-Sight functionality with the widest range of frequencies available. With incredible channel capacity, excellent spectrum flexibility and a prioritization platform for delivering voice, video and data applications, the MP-8160 satisfies service providers and government organizations with requirements for fast and worry-free wireless connectivity.

With data rates of 300 Mbps, the Tsunami® MP-8160 is an ideal solution for everything from last mile broadband wireless access (BWA) to wireless video surveillance. As the industry’s first Point to MultiPoint product to provide dual Gigabit Ethernet ports with PoE out, the Tsunami® MP-8100 becomes the first solution capable of powering IP video cameras or additional radios for even greater ease of deployment operating in extended frequencies from 5.900 to 6.425 GHz.

### Supreme Performance
- Point to Multipoint solution that can deliver 300 Mbps data rates
- Provides reliable high performance under all traffic loads using Proxim’s Wireless Outdoor Routing Protocol (WORP®)
- Dual IPv4 and IPv6 stack for transparent evolution to tomorrow networks

### Non-Line-of-Sight and Advanced Features
- Non-line-of-sight capable, utilizing OFDM and 2x2 MIMO techniques to improve link performance and penetrate through or around obstructions better
- Features dual Gigabit Ethernet ports with PoE in/out to power other devices like surveillance cameras and wireless access points
- Create tiered QoS service classes with ease
- Comes packaged in a compact form factor with a set of accessories for even greater ease of installation
- BSU redundancy (500 milliseconds switch over time) and Dynamic Channel Selection to ensure continuity of services whatever the condition
- Spectrum analysis feature helps to study frequency bands for interference, and select a relatively low interference channel.

### Mobile Roaming Enables New Applications
Proxim innovation delivers mobile roaming of Subscriber Units (SU) between Base Station Units (BSU). Public safety first responder networks, transportation system monitoring and telemetry, and mobile security and surveillance are now all possible with a low cost, robust system.
- Fast handoff at speeds up to 295 km per hour (185 miles per hour).
- Customizable roaming parameter maintains minimum bandwidth required for application performance

### Carrier-Grade Security
- Implements tiered security layers for the most secure outdoor wireless communications in the unlicensed frequency spectrum
- Uses radio module with on board surge protection
- 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
**APPLICATIONS**

- **Last Mile Access**
  Competitive broadband service access alternative to DSL or cable for residences and T1 or Ethernet for businesses

- **Security and Surveillance**
  High definition IP-surveillance cameras for monitoring city streets, airports, bridges, seaports, transportation hubs, offices and warehouses

- **Metropolitan Area Networks**
  Secure and reliable connectivity between city buildings

- **Emergency First Responders**
  Critical information delivery such as medical data and video feeds during in-progress events

- **Enterprise Campus Connectivity**
  Extend the main network to remote offices, warehouses or other buildings without leased lines

---

**PRODUCT MODELS**

- **TMP-B160-BU**
  Tsunami® MP 8160 Base Station Unit, 300 Mbps, 5.900 – 6.425 GHz, Type-N Connectors

- **MP-B160-SBU**
  Tsunami® MP 8160 Base Station Unit, 300 Mbps, 5.900 – 6.425 GHz, 16 dbi, 90° sector antenna

- **MP-B160-LBU**
  Tsunami® MP 8160 Subscriber Unit, 300 Mbps, 5.900 – 6.425 GHz, Type-N Connectors

---

**INTERFACES**

- **WIRELESS SPECs**
  Physical Specs
  - Wind Loading
  - Humidity
  - Storage Temperature
  - Environmental Specs
  - Power Consumption
  - QoS
  - Gateway Features
  - Throughput Modes
  - Network Encryption
  - Other Features

- **WIRELESS PROTOCOL**
  WORP® (Wireless Outdoor Router Protocol)

- **RF & TX SPECS**
  Radio & TX Specs
  - TX Power
  - Data Rate
  - Modulation
  - MIMO
  - Radio & TX Specifications

- **WIRELSS PROTOCOL**
  Wired Ethernet Interfaces
  - MP
  - MP

---

**ENCRYPTION**

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

---

**NETWORK**

- Bridges, Routers (IPv4 and IPv6)
- IPv4 and IPv6 simultaneously
- Up to 240 Mbps

---

**SECURITY**

- SNMP v1/v2c, v3, RFC 1213, RFC 3412, RFC 3414, Private MIB
- Syslog, ifFlow™ agent, SSH and local time, Spectrum analyser

---

**APPLICATIONS**

- Emergency First Responders
- Extend the main network to remote offices, warehouses or other buildings without leased lines

---

**APPLICATIONS**