
Proxim Wireless is a leader and an early innovator in wireless technology providing high-speed, long-range broadband wireless solutions. Leveraging the advantages of OFDM, MIMO radio innovations along with Proxim’s proprietary Wireless Outdoor Routing Protocol (WORP®), the Tsunami® Multipoint 826 CPE is a feature rich customer premises equipment specifically designed for the carrier, service provider and WISP market.

The low cost outdoor form factor of the Tsunami® Multipoint 826 CPE is an ideal solution for large-scale wireless deployments suitable for all last-mile broadband wireless access deployments.

This CPE is also feature rich with a carrier-grade prioritization platform supporting multiple service classes that can prioritize voice, video and data applications over the widest range of operating frequencies.

**World-class Performance**
- Features a very small form factor and an outdoor rated IP67 Metal enclosure
- Available with 15 dbi integrated antenna
- 50Mbps 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
- Seamless roaming up to 295 km/h (185 mph)

**All-in-One CPE with Security & Gateway Features**
- Built-in feature rich network protocols for Bridging, Routing and Gateway functionality
- Advanced encryption protects over-the-air transmission via AES-128
- Radio mutual authentication eliminates unauthorized use of the system by rogue subscriber units 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**
- Flexible frequency bands (both licensed and unlicensed) worldwide provide reliable wireless broadband
- Dual IPv4 and IPv6 stack for transparent evolution to tomorrow networks
- 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

**Easy to Install**
- Comes as a complete compact outdoor form factor offering unprecedented ease of installation
- Deployment tools include spectrum analyzer, antenna alignment and remote management configuration
- Non Line-of-Sight capability provided by Advanced Orthogonal Frequency Division Multiplexing (OFDM) along with 2x2 MIMO eases deployment in challenging areas
- Connects to all existing Tsunami® Multipoint 8160

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Wireless Product Portfolio
- **Tsunami® 8000 Series** – PtP & PtMP product line delivering 300 Mbps plus data rate
- **Tsunami® 800 Series**
  - Compact and robust, high performance, PtP & PtMP product line
- **Tsunami® .11 Series** – Our best selling Point-to-point and multipoint product line
- **Tsunami® GX800** – Carrier-class IP Ethernet bridge for voice and data backhaul for service providers and enterprise applications
- **ORiNOCO® AP** - The industry’s highest performance 802.11a/b/g/n access points

Proxim Wireless is a global pioneer of broadband wireless systems that deliver the quadruple play of video, voice, data and mobility. From Wi-Fi to wireless Gigabit Ethernet – our WLAN, Wi-Fi Mesh, WiMAX and point-to-point wireless backhaul products are available through our extensive global channel networks.
**PRODUCT MODELS**
- Tsunami® MP 826 Customer Premise Equipment , 50 Mbps, MIMO 2x2, 15 dBi integrated antenna

**INTERFACES**
- Wired Ethernet: 1x auto MDI-X RJ45 10/100Mbps Ethernet with PoE in

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

**RADIO & TX SPECS**
- Modulation: OFDM with BPSK, GFSK, 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 BPSK, GFSK, 16 QAM and 64 QAM for legacy mode (6Mbps - 54Mbps)
- Throughput: Up to 50 Mbps (dual chain)
- TX Power: Up to 25 dBm
- RX Sensitivity (PER<1%): 0 – 20 dB, in 0.5 dB steps, Automatic TPC with configurable EIRP limit

**ANTENNA**
- Integrated 15 dBi dual Polarized [H+V] panel antenna

**MANAGEMENT**
- Remote: Telnet and SSH, Web GUI and SSL, TFTP, SNMPv3
- 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 QoS provisioning)

**APPLICATIONS**
- Wireless Broadband/ISP
  High service availability, superior subscriber per sector support and ultrafast 4G connectivity help ISPs to quickly scale their network coverage as well as meet the rising demand for high-bandwidth, multimedia services effortlessly
- 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

For detailed technical specifications, please go to [http://www.proxim.com/products/point-to-multipoint/tsunami-mp-826-cpe](http://www.proxim.com/products/point-to-multipoint/tsunami-mp-826-cpe)

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**DIMENSIONS**
- Packaged: 13.97 x 8.86 x 3.46 in (355 x 225 x 88 mm)
- Unpackaged: 9.96 x 6.62 x 2.58 in (253 x 168 x 65.5 mm)

**WEIGHT**
- Packaged: 4.9 lbs (2.25 Kg)
- Unpackaged: 2.1 lbs (0.950 kg)

**SAFETY STANDARDS**
- UL 60950-1/22

**PACKAGE CONTENTS**
- One Tsunami® MP-826-CPE with integrated antenna
- One 20 W power injector and country specific power cord
- One basic Pole mounting kit
- One Connector weatherproofing kit (Includes all recommended weatherproofing material)
- One Grounding kit
- One Quick Installation Guide

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