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.


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
### Technical Specifications

**PRODUCT MODELS**
- Tsunami® TP-286 Customer Premise Equipment, 50 Mbps, MIMO 2x2, 15 dB integrated antenna

**INTERFACES**
- **DIN-RAIL**: 2x2 MIMO

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

**RF & TX SPECS**
- **DATA RATE**: 8.3 to 157 Mbps with Dynamic Data Rate Selection
- **RX**
  - Channel size: 40 MHz, 20 MHz, 10 MHz, 5 MHz channel bandwidths
  - MCS: 0 to 15
- **TX POWER**
  - Up to 25 dBm (dual chain)

**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

**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.


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