Tsunami® MP.11 5012
Reduce Cost Barrier for Broadband Wireless Access

Wireless Product Portfolio

- **Tsunami® 8200 Series** – PtP & PtMP product line delivering 300 Mbps plus data rate
- **Tsunami® .11 Series** – Our best selling Point-to-point and multipoint product line
- **Tsunami® GX-810** – 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. 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.

Proxim Wireless is a leader and an early innovator in wireless technology for providing high-speed, long-range broadband wireless access to complement Wi-Fi® networks. The MP.11 product line has enabled municipalities and service providers to bridge the digital divide, increase productivity, cut network costs, and create new business opportunities — all through features for license-free frequency bands worldwide. Consisting of an outdoor form factor, the 5012 series of subscriber units is designed specifically for the residential market and accelerates the service provider’s break-even point, making this product ideal for large-scale wireless deployments.

**MP.11 5012 Subscriber Unit Features:**
- Throughput comparable to or better than cable/DSL: 12 Mbps aggregate throughput
- Aggressive ROI and fast payback for large-scale deployments
- Power over Ethernet support
- Designed for quick and easy installation – Unit contains 18 dBi integrated antenna
- Compatible with existing MP.11 5054, 5054-R, and 5054-R-LR Base Station Units. Use the 5054-RLR for extended frequencies above 5.95 GHz

**MP.11 System Features:**
- License-free and licensed frequency bands worldwide: supports 5.15-5.35 GHz, 5.47-5.725 GHz, 5.725-6.08 GHz frequency bands.
- Scheduled media access controller (MAC), also known as polling: enables a base station to hear all subscriber units, preventing nodes from interfering with each other and increasing system throughput
- Orthogonal frequency division multiplexing (OFDM): enhances non-line-of-sight performance improving deployment in challenging areas
- Quality of Service (QoS): supports voice, video and data converged networking
- RADIUS-based bandwidth management: deliver multiple service plans
- Asymmetric bandwidth management: increases service provider revenue through creation of uplink bandwidth tiers
- Dynamic Data Rate Selection (DDRS): maximizes subscriber coverage by allowing each subscriber to receive the maximum data rate possible
- Dynamic Frequency Selection (DFS): prevents interference with other systems; for 5.4 GHz, MP.11 has achieved ETSI EN 301-893 v1.3.1 certification
- Security: advanced encryption with AES protects over-the-air transmission; intracell blocking forbids direct communication between subscriber units
- Deployment tools: antenna alignment and remote management and configuration eliminate the need for truck rolls

Proxim Wireless is a leader and an early innovator in wireless technology for
For detailed technical specifications, please go to [http://proxim.com/products/point-to-multipoint/tsunami-mp11_5012](http://proxim.com/products/point-to-multipoint/tsunami-mp11_5012)

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**APPLICATIONS**

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

- **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