Proxim Wireless is a global leader in advanced wireless broadband and WiFi solutions that deliver high performance and high availability communications.

Celebrating 40 years of pioneering wireless solutions, Proxim is recognized for unparalleled reliability, superior performance, and drive for innovation.

Edge Multipoint 1015

Proxim’s Edge Multipoint 1015 product is high-performance point to multipoint radios designed to deliver years of reliable service and priced to fit cost-sensitive projects.

The Edge Multipoint 1015 features one 5 GHz radio delivering up to 100 Mbps throughput (license upgradable to 200 Mbps).

Utilizing Proxim’s highly efficient Wireless Outdoor Router Protocol (WORP), the Edge Multipoint provides a feature set that enables effective use of bandwidth and offers granular service level management through an advanced Quality of Service engine.

This product line is ideal for Wireless Internet Service Providers (WISPs) or applications such as Intelligent Traffic Management, Video Surveillance, and much more.

- Throughput of 100 Mbps with channel sizes from 20 to 80 MHz (license upgradable to 200 Mbps).
- Improved robustness with dual data stream diversity over four RF flow: MIMO 4x4:2
- High power radio delivering up to 27 dBm (4 RF) at 5 GHz.
- High reliability and advanced QoS for quad-play applications.
- Dual IPv4 and IPv6 stacks.

Highly Secure

Edge Multipoint 1015 provides enterprise-class security to ensure full protection of sensitive information.

- AES 128 encryption and Radius based authentication.
- Secure management (SSL/TLS1.2, SSH, and SNMPv3) preventing unwanted configuration changes.
- IP67 rated enclosure with surged protected Ethernet port.

Easy to Deploy

Edge Multipoint 1015 simplifies network deployment.

- Includes a Full axis mounting kit.
- 802.3af/at Power over Ethernet compliant.
- Bluetooth Low Energy interface for easy configuration via Proxim’s BlueConnect smartphone application for Android and iOS.

Ready for Mobile Deployment

Edge Multipoint 1015 includes Proxim FastConnect roaming technology and an integrated GPS that makes it an ideal mobile subscriber unit.

- Support for delay-sensitive multimedia applications even when mobile at speeds up to 185 mph (295 km/h).
- Built-in GPS module to follow device movement on ProximVision® Advanced mapping feature.

Flexible Centralized Management

ProximVision® Advanced supports the Edge Multipoint 1015 devices giving network architects network-wide views and advanced device management.

- Rapid Network Deployment: automates configuration processes for faster, more efficient deployment of Proxim Wireless networks.
- Advanced Statistic and Analytic data for network optimization.
Key Technologies

Proxim WORP®
Combines network access control, data scheduling, advanced QoS and encryption to ensure highly efficient and secure data transmission.

Proxim ClearConnect™
A suite of interference mitigation technologies ensuring robust and reliable communications in high-density wireless deployments.

Proxim FastConnect™
Mobility technology that delivers rapid hand-off between fixed base stations and moving vehicles to ensure uninterrupted broadband at speeds up to 185 mph (295 km/h).

Product Line Compatibility

- Connects to all existing Multipoints MP-10200, MP-10100, MP-820 and MP-830 products.
- Fully integrates within ProximVision® Advanced Cloud Based Carrier Management System and Controller.

Specifications

<table>
<thead>
<tr>
<th>PRODUCT MODELS</th>
<th>PART NUMBERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP-1015-BS3</td>
<td>901-00359</td>
</tr>
<tr>
<td>MP-1015-CPE</td>
<td>901-00360</td>
</tr>
<tr>
<td>MP-1015-BSU-200-UPG</td>
<td>997-00054</td>
</tr>
<tr>
<td>MP-1015-CPE-200-UPG</td>
<td>997-00055</td>
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</table>

<table>
<thead>
<tr>
<th>LICENSES</th>
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<tbody>
<tr>
<td>MP-1015-BSU-200-UPG</td>
<td>Edge Multipoint 1015, Base Station, 100 Mbps license upgrade</td>
</tr>
<tr>
<td>MP-1015-CPE-200-UPG</td>
<td>Edge Multipoint 1015, Customer Premise Equipment, 100 Mbps license upgrade</td>
</tr>
</tbody>
</table>

| INTERFACES | |
| WIRED ETHERNET | One auto MDI-X RJ45 10/100/1000Mbps Ethernet with PoE in |
| WIRELESS PROTOCOL | WORP® (Wireless Outdoor Router Protocol) |

| RADIO & TX SPECS | |
| MIMO | 2x2, 4x4 and 4x4 |
| MODULATION | OFDM BPSK-QAM256 |
| FREQUENCY | 5.150 – 5.925 GHz (Subject to Country Regulations) |
| CHANNEL SIZE | 20, 40, 80 MHz |
| THROUGHPUT | Up to 100 Mbps (license upgrade to 200 Mbps) |
| TX POWER | Up to 24 dBm (dual chain) or 27 dBm (quad chain) |
| TX POWER CONTROL | 0 - 21 dB, in 1 dB steps. Automatic TPC with configurable EIRP limit |
## ANTENNA
- Integrated 2x2 MIMO 15 dBi Dual Polarized 35 degree Panel Antenna plus Four RP-SMA Connectors
- Software switch between integrated antenna and connectors

## MANAGEMENT
- Telnet and SSH, Web GUI and SSL/TLS 1.2, TFTP, SNMPv3
- Multi-Language Support
  - Web Interface available in English, French, Spanish and Chinese

## SECURITY
- Internal MAC Address Control List, Radius based Authentication (with VLAN and QoS provisioning)
- Asymmetric Bandwidth Control
- Packet Classification Capabilities
- Scheduling
  - Best Effort, Real Time Polling Services
- Asymmetric UL/DL committed and maximum information rate per service flow
- 802.1p priority, IPTOS, VLAN ID, IP addresses, ports, Ethernet addresses, IP protocol, and EtherType

## NETWORK
- Bridging, Routing (RIP v2 and IP tunneling)
- IPv4 and IPv6 simultaneously
- DHCP Server & relay, NAT with Std ALGs, PPPoE end point with Proxy DNS
- 802.1Q: Management VLAN. Transparent, Access, Trunk and Mixed mode. QinQ double tagging

## POWER
- 802.3af/at compliant (MIMO 4x4 mode requires 802.3at)

## ENVIRONMENTAL SPECS
<table>
<thead>
<tr>
<th>OPERATING TEMPERATURE</th>
<th>STORAGE TEMPERATURE</th>
<th>HUMIDITY - IP RATING</th>
<th>WIND LOADING</th>
</tr>
</thead>
<tbody>
<tr>
<td>-22° to 131° Fahrenheit (-30° to 55° Celsius)</td>
<td>-58° to 158° Fahrenheit (-50° to 70° Celsius)</td>
<td>100% relative humidity– IP67</td>
<td>112.5 mph (180 km/h)</td>
</tr>
</tbody>
</table>

## PHYSICAL SPECS
<table>
<thead>
<tr>
<th>DIMENSIONS PACKAGED</th>
<th>DIMENSIONS UNPACKAGED</th>
<th>WEIGHT (PACKAGED)</th>
<th>WEIGHT (UNPACKAGED)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.2 x 8.9 x 3.85 in (310 x 226 x 98 mm)</td>
<td>6.7 x 8.55 x 2.2 in (170 x 217 x 56 mm)</td>
<td>5.84 lbs (2.65 kg)</td>
<td>2.73 lbs (1.24 kg)</td>
</tr>
</tbody>
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### Additional Technical Information
- Dynamic Channel Selection (DCS) based on interference detection, Dynamic Frequency Selection (DFS) based on radar signature
- Automatic Transmit Power Control (ATPC) with EIRP limit support
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<tbody>
<tr>
<td>CERTIFICATIONS</td>
<td>FCC part 15B class B (EMC), part 15C (Bluetooth) and part 15E (5 GHz radio)</td>
</tr>
</tbody>
</table>
| PACKAGE CONTENTS | - One Edge MP-1015-BS3/CPE with integrated antenna plus four RP-SMA connectors  
                    - Five SMA weather proofing caps  
                    - One M25 weather proofing cable gland  
                    - One power injector and country specific power cord  
                    - One full axis mounting kit  
                    - One Grounding kit  
                    - One Quick Installation Guide |
| MTBF & WARRANTY | >250 000 hours, 2-year warranty, ServPak Extended Support available |