Edge Multipoint 1035 series

The Edge Multipoint 1035 series takes advantage of Proxim's expertise in outdoor Point to multipoint systems to deliver a High Throughput solution matching Wireless Internet Services Provider cost requirements.

The Edge Multipoint 1035 series features one 5 GHz radio delivering up to 400 Mbps data rate.

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.

- High throughput MIMO 2x2:2 with radio rates of 400 Mbps at 40 MHz[1].
- High power radio delivering up to 24 dBm (2 RF) at 5 GHz.
- High reliability and advanced QoS for quad-play applications.
- Dual IPv4 and IPv6 stacks.

Highly Secure

Edge Multipoint 1035 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 1035 simplifies network deployment.

- Built-in 15 dBi 30-degree dual-polarity antenna, plus RP-SMA connectors for external antennas providing extended range.
- Includes hose clamps for pole mounting.
- 802.3af/at Power over Ethernet compliant.
- Bluetooth Low Energy interface for easy configuration via Proxim's BlueConnect smartphone application for Android and iOS.

Ideal for Wireless ISP

The Edge Multipoint 1035 is an ideal solution for Internet Service Providers.

- High performance/price ratio with the opportunity to grow via license upgrade.
- Compatible with Multipoint 10100 and 10200 BeamX base stations.
- Versatile solution with integrated antenna and RP-SMA connectors.

Flexible Centralized Management

ProximVision® Advanced supports the Edge Multipoint 1035 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.
- Provides advanced statistics and analytic data for network optimization.

About Proxim Wireless

Proxim Wireless is a pioneer and global leader in advanced Wi-Fi, point to point, and point to multipoint outdoor wireless systems that deliver high performance and high availability communications.

With over 30 years of wireless experience, Proxim is recognized for its unparalleled reliability, superior performance and drive for innovation.

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[1] A license upgrade to include the 80 MHz Channel for higher throughput will be available in a future software release

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 295 km/h (185 mph).

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

PRODUCT MODELS		PART NUMBERS
MP-1035-CPE	Edge Multipoint 1035, Customer Premise Equipment, 400 Mbps, integrated antenna and RP-SMA	901-00331 MP-1035-CPE-WD
INTERFACES		
WIRED ETHERNET WIRELESS PROTOCOL	One auto MDI-X RJ45 10/100/1000Mbps Ethernet with PoE in WORP® (Wireless Outdoor Router Protocol)	
RADIO & TX SPECS		
MIMO MODULATION FREQUENCY CHANNEL SIZE DATA RATE TX POWER TX POWER CONTROL	2x2:2 OFDM BPSK-QAM256 5.150 – 5.925 GHz (Subject to Country Regulations) 20 and 40 MHz (license upgrade to 80 MHz) Upto 400 Mbps Up to 24 dBm (dual chain) 0 - 17 dB, in 1 dB steps. Automatic TPC with configurable EIRP limit	

			Requires License Upgrade
	20 MHz	**40 MHz**	**80 MHz**
TX POWER	MCS0:	MCS0:	MCS0:
2 RF	24	24	23
	MCS8:	MCS9:	MCS9:
2 RF	20	20	19
RX SENSITIVITY (Per=10^{-6})	MCS0:	MCS0:	MCS0:
	-94	-91	-88
	MCS8:	MCS9:	MCS9:
	-71	-66	-62
OTHER	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		
ANTENNA			
	Integrated 2x2 MIMO 15 dBi Dual Polarized 30 degree Panel Antenna plus two RP-SMA Connectors (Software switch between integrated antenna and connectors)		
MANAGEMENT			
REMOTE	Telnet and SSH, Web GUI and SSL/TLS1.2, TFTP, SNMPv3		
SNMP	SNMP v1-v2c-v3, RFC-1213, RFC-1215, RFC-2790, RFC-2571, RFC-3412, RFC-3414, Private MIB		
OTHER	Syslog, sFlow™ agent, SNTP and local time, Spectrum analyzer		
Multi-Language Support	Web Interface available in English, French, Spanish and Chinese		

SECURITY	
ENCRYPTION	AES 128
AUTHENTICATION	Internal MAC Address Control List, Radius based Authentication (with VLAN and QoS provisioning)
QoS	
Asymmetric Bandwidth Control	Asymmetric UL/DL committed and maximum information rate per service flow
Packet Classification Capabilities	802.1p priority, IPTOS, VLAN ID, IP addresses, ports, Ethernet addresses, IP protocol, and EtherType
Scheduling	Best Effort, Real Time Polling Services
NETWORK	
MODES	Bridging, Routing (RIP v2 and IP tunneling)
IP STACK	IPv4 and IPv6 simultaneously
GATEWAY FEATURES	DHCP Server & relay, NAT with Std ALGs, PPPoE end point with Proxy DNS
VLAN	802.1Q: Management VLAN. Transparent, Access, Trunk and Mixed mode. QinQ double tagging
POWER	
	802.3af/at compliant
POWER CONSUMPTION	
	10 W

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

PHYSICAL SPECS	DIMENSIONS PACKAGED	DIMENSIONS UNPACKAGED	WEIGHT (PACKAGED)	WEIGHT (UNPACKAGED)
MP-1035-CPE	310 x 226 x 98 mm (12.2 x 8.9 x 3.85 in)	170 x 217 x 56 mm (6.7 x 8.55 x 2.2 in)		1.24 kg (2.73 lbs)

SAFETY STANDARDS	
	UL/IEC/EN 62386-1 and 60950-22

PACKAGE CONTENTS	
	• One Edge MP-1035-CPE with integrated antenna plus two RP-SMA connectors • Two SMA weather proofing caps • One M25 weather proofing cable gland • One power injector and country specific power cord • One pair of hose clamps • One Grounding kit • One Quick Installation Guide

MTBF & WARRANTY	
	>250 000 hours, 2-year warranty, ServPak Extended Support available.