



## Edge Multipoint 1066 CPE

The Edge Multipoint 1066 CPE is a high-performance point to multipoint radio designed to deliver years of reliable service in tough outdoor environments, and is priced to fit cost-sensitive projects.

The Edge Multipoint 1066 CPE features one 6.4 GHz radio delivering up to 300 Mbps data rate.

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

- Flexible channel planning with support for 5.900 to 6.425 GHz
- High throughput MIMO 2x2:2 with radio rates of 300 Mbps at 40 MHz
- High power radio delivering up to 25 dBm (2 RF)
- High reliability and advanced QoS for quad play applications
- Dual IPv4 and IPv6 stacks

## Highly Secure

Edge Multipoint 1066 CPE 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 protect ethernet port

## Easy to Deploy

Edge Multipoint 1066 CPE simplifies network deployment

- Built in 15 dBi 33 degree dual polarity antenna for out of the box usage
- Includes hose clamps for pole mounting.
- 802.3af/at power over Ethernet compliant

## Flexible Centralized Management

Proxim Vision<sup>®</sup> Advanced supports Edge Multipoint 1066 CPE 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<sup>®</sup>

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

### Proxim ClearConnect<sup>™</sup>

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

### Proxim FastConnect<sup>™</sup>

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)

## 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.

## Product Line Compatibility

- Connects to all existing Multipoints MP-8260 and MP-826 products
- Fully integrates within ProximVision® Advanced Cloud Based Carrier Management System and Controller

## Specifications

PRODUCT MODELS		PART NUMBERS			
MP-1066-CPE	Edge Multipoint 1066 CPE, Customer Premise Equipment, 300 Mbps, Integrated Antenna	901-00357 MP-1066-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	2x2:2				
MODULATION	OFDM BPSK-QAM64				
FREQUENCY	5.900 – 6.425 GHz (Subject to Country Regulations)				
CHANNEL SIZE	5, 10, 20 and 40 MHz				
DATA RATE	Upto 300 Mbps				
TX POWER	Up to 25 dBm (dual chain)				
TX POWER CONTROL	0 - 22 dB, in 1 dB steps. Automatic TPC with configurable EIRP limit				
		5 MHz	10 MHz	20 MHz	40 MHz
TX POWER (dual RF)	MCS0	25	25	25	25
	MCS7	20	20	20	20
	MCS8	25	25	25	25
	MCS15	20	20	20	20
RX SENSITIVITY (Per=10 <sup>-6</sup> )	MCS0	-97	-95	-92	-89
	MCS7	-77	-75	-72	-69
	MCS8	-96	-93	-90	-88
	MCS15	-73	-70	-68	-61
OTHER	Dynamic Channel Selection (DCS) based on interference detection				
	Automatic Transmit Power Control (ATPC) with EIRP limit support				
ANTENNA					
MP-1066-CPE	Integrated 2x2 MIMO 15 dBi Dual Polarized 33 degree Panel Antenna				
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 typical, 12 W max			
ENVIRONMENTAL SPECS	OPERATING TEMPERATURE	STORAGE TEMPERATURE	HUMIDITY - IP RATING	WIND LOADING
	-30° to 55° Celsius (-22° to 131° Fahrenheit)	-50° to 70°C (-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-1066-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)	2.15 kg (4.74 lbs)	1.20 kg (2.65 lbs)
SAFETY STANDARDS				
	IEC/EN 62386-1			
PACKAGE CONTENTS				
	<ul style="list-style-type: none"> <li>• One Edge MP-1066-CPE with integrated antenna</li> <li>• One M25 weather proofing cable gland</li> <li>• One power injector and country specific power cord</li> <li>• One pair of hose clamps</li> <li>• One Grounding kit</li> <li>• One Quick Installation Guide</li> </ul>			
MTBF & WARRANTY				
	>200 000 hours, 2-year warranty, ServPak Extended Support available.			