Multipoint 8260 Series

Product Snaphot

The MP-8260 product range is a 6.4 GHz Point to Multipoint solution that offers both Multipoint base station and subscriber unit models.

The MP-8260 provides all the features of our 5GHz 10100 Series MultiPoint products but with the advantage of operating in the 6.4 GHz band.

The MP8260 can deliver up to 300 Mbps over a 40 MHz channel.

- 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

- Advanced encryption protects over-the-air transmission via AES-128

- Uses Proxim's Wireless Outdoor Routing Protocol (WORP®) to prevent snooping

Powered by WORP®

Proxim WORP enables the most efficient wireless broadband access possible in a packet-based network. Advanced QoS controls, committed interface rates, latency controls, IGMP snooping, and native multicast support allow granular service level management and the best video performance available in this product class.

Advanced Interference Management

Proxim ClearConnect™ combines multiple dynamic technologies and delivers the best interference management solution available.

Secure

AES 128 encryption with Radius-based authentication and secure management through SSL/ TLS1.2, SSH, and SNMPv3.

Rugged Reliability

IP67 rated metal enclosure to ensure years of reliable service in harsh environments, including high winds, high salt, and temperature extremes.

Specifications

PRODUCT MODELS

MP-8260-BSU-WD	Tsunami MP-8260 Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors	PN: 901-00286
MP-8260-BS9-WD	Tsunami MP-8260 Base Station Unit, 300 Mbps, MIMO 2x2, 16dBi, 90° sector antenna	PN: 901-00287
MP-8260-SUA-WD	Tsunami MP-8260 Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors	PN: 901-00194

INTERFACES

WIRED ETHERNET	Two auto MDI-X RJ45 10/100/1000Mbps Ethernet (Port #1 with PoE in & Data, Port #2 with PoE out & Data)
WIRELESS PROTOCOL	WORP® (Wireless Outdoor Router Protocol)

RADIO & TX SPECS

MIMO	2x2:2
MODULATION	OFDM with BPSK, QPSK, QAM16, QAM64, QAM256
FREQUENCY	5.900 – 6.425 GHz (Subject to Country Regulations)
CHANNEL SIZE	40 MHz, 20 MHz, 10 MHz, 5 MHz
DATA RATE	MCS 0 to 9 with Dynamic Data Rate Selection
TX POWER	Up to 25 dBm (dual chain)
TX POWER CONTROL	0 - 22 dB, in 1 dB steps. Automatic TPC with configurable EIRP limit

	40 MHz	20 MHz	10 MHz	5 MHz
TX POWER (dual RF)	MCS0: 25 dBm	MCS0: 25 dBm	MCS0: 25 dBm	MCS0: 25 dBm
	MCS7: 20 dBm	MCS8: 20 dBm	MCS8: 20 dBm	MCS8: 20 dBm
	MCS8: 25 dBm	MCS8: 25 dBm	MCS8: 25 dBm	MCS8: 25 dBm
	MCS15: 20 dBm	MCS8: 20 dBm	MCS8: 20 dBm	MCS8: 20 dBm
RX SENSITIVITY (Per=10%)	MCS0: -89 dBm	MCS0: -92 dBm	MCS0: -95 dBm	MCS0: -97 dBm
	MCS7: -69 dBm	MCS8: -70 dBm	MCS8: -73 dBm	MCS8: -77 dBm
	MCS8: -88 dBm	MCS8: -90 dBm	MCS8: -93 dBm	MCS8: -96 dBm
	MCS15: -61 dBm	MCS8: -68 dBm	MCS8: -70 dBm	MCS8: -73 dBm
THROUGHPUT	Up to 222 Mbps	Up to 121 Mbps	Up to 50 Mbps	Up to 22 Mbps
OTHER	Dynamic Channel Selection (DCS) based on interference detection Automatic Transmit Power Control (ATPC) with EIRP limit support			

MANAGEMENT

REMOTE	Telnet and SSH, Web GUI and SSL, 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

SYNCHRONIZATION

	Pass-through IEEE 1588v2 Ethernet Synchronization

SECURITY

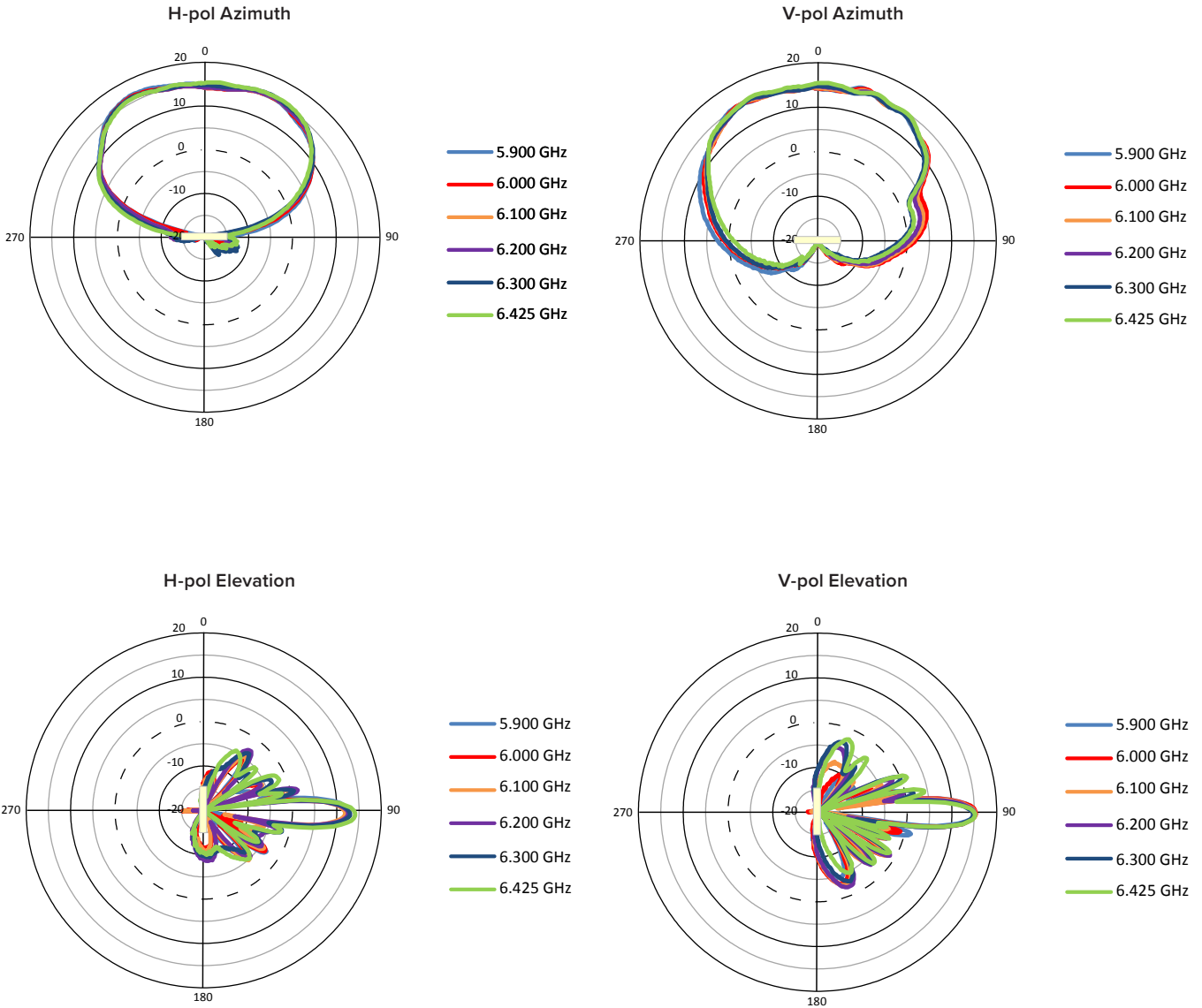|	
ENCRYPTION	AES 128
AUTHENTICATION	Internal MAC Address Control List, Radius based Authentication (with VLAN and QoS provisioning)

| MP-8260-BSU/SUA | Two N-type Connectors with built-in Surge Protection |
| MP-8260-BS9 | Integrated 2x2 MIMO 16dBi Dual Polarized 90 degree Sector Antenna |

ANTENNA PATTERNS (Sector Mode)

MP-8260-BS9

H-pol Azimuth

V-pol Azimuth

H-pol Elevation

V-pol Elevation

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	INPUT	OUTPUT
	36 to 57 VDC via Ethernet port1 (Power over Ethernet) 12 VDC via Access port Power should not be provided simultaneously on both ports	48 to 57 VDC – 25 Watt on Ethernet port2 (PoE – software controlled) 12 VDC on Access port

POWER CONSUMPTION

18 Watt typical

ENVIRONMENTAL SPECS	OPERATING TEMPERATURE	STORAGE TEMPERATURE	HUMIDITY - IP RATING	WIND LOADING
	-40° to 60°C (-40° to 140° Fahrenheit)	-50° to 70°C (-58° to 158° Fahrenheit)	100% relative humidity - IP67	200 km/h (125 Mph)
PHYSICAL SPECS	DIMENSIONS PACKAGED	DIMENSIONS NPACKAGED	WEIGHT (PACKAGED)	WEIGHT (UNPACKAGED)
MP-8260-BSU/SUA	14.56 x 13.0 x 7.87 in (370 x 331 x 200 mm)	9.84 x 8.66 x 2.83 in (250 x 220 x 72 mm)	9.92 lbs (4.5 kg)	4.20 lbs (1.9 kg)
MP-8260-BS9	18.46 x 7.05 x 21.57 in (469 x 179 x 548 mm)	14.57 x 14.57 x 4.21 in (370 x 370 x107 mm)	13.67 lbs (6.2 kg)	7.27 lbs (3.3 kg)

SAFETY STANDARDS

UL 60950, CAN/CSA-C22.2 No. 60950, IEC 60950, EN 60950 (part -1 and -22)

PACKAGE CONTENTS

- One Tsunami® MP-8260-BSU/SUA with two N-type surge protected connectors
- Or One Tsunami® MP-8260-BS9 with integrated dual polarized antenna
- One power injector and country specific power cord
- One Connector weatherproofing kit (Includes all recommended weatherproofing material)
- One Wall / Pole mounting kit
- One Antenna alignment (RJ11) dongle
- One Grounding kit
- One Quick Installation Guide

MTBF & WARRANTY

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

ABOUT PROXIM WIRELESS:

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.