Edge 1015

Product Snapshot

Proxim's Edge 1015 is the most versatile small wireless broadband solution available.

One device, multiple uses; whether you need a Point to Point endpoint, Multipoint CPE, or MultiPoint Base Station[1], the Edge 1015 fits the bill.

- Wide Band 5 GHz Radio
- 4x4 MIMO radio delivering up to 200 Mbps[2]
- Advanced QoS for quad-play applications
- AES 128 encryption and Radius authentication
- Full tilt and swivel mounting kit included.

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.

Flexible Antenna Options

Includes an integrated 15 dBi 35-degree dual-polarity antenna and offers external connectors for extended range and MIMO 4x4 configuration options.

Smartphone Configurator

Proxim's BlueConnect mobile app enables fast and efficient setup, monitoring, and troubleshooting.

Rugged Reliability

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

1. Full MultiPoint BaseStation Functionality requires the MP-1015-BS3-32SU-UPG upgrade license.
2. 4x4 MIMO requires an external antenna and can be configured as 4x4:2 for redundancy or 4x4:4 for higher throughput with smaller channel.

Specifications

PRODUCT MODELS

MP-1015-BS3-US	Edge Multipoint 1015, Base Station, 100 Mbps, integrated antenna and RP-SMA	PN: 901-00366
MP-1015-BS3-32SU-UPG	Edge Multipoint 1015, Base Station, support for 1 to 32 SU license upgrade	PN: 997-00057
MP-1015-BS3-200-UPG	Edge Multipoint 1015, Base Station, 100 Mbps to 200 Mbps license upgrade	PN: 997-00054

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	2x2:2, 4x4:2 and 4x4:4
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

	20 MHz	40 MHz	80 MHz
TX POWER	MCS0:	MCS0:	MCS0:
2 RF	24	23	21
4 RF	27	26	24
	MCS8:	MCS9:	MCS9:
2 RF	19	18	17
4 RF	22	21	20
RX SENSITIVITY (Per=10^{-6})	MCS0:	MCS0:	MCS0:
	-89	-86	-84
	MCS8:	MCS9:	MCS9:
	-67	-62	-59
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		

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

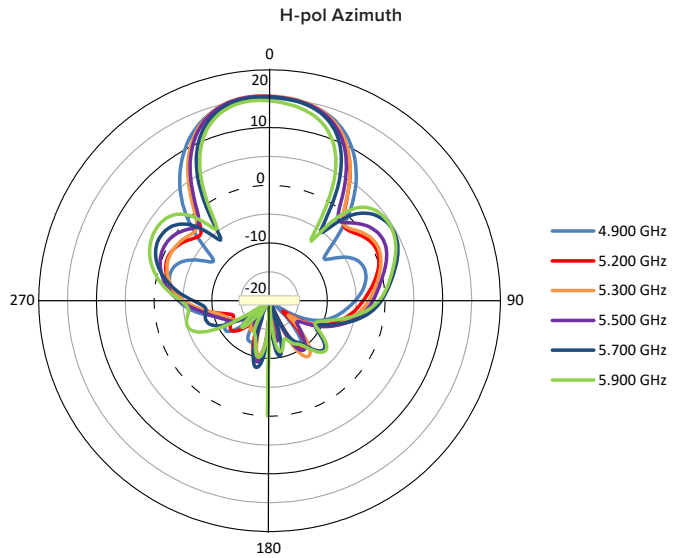
SECURITY

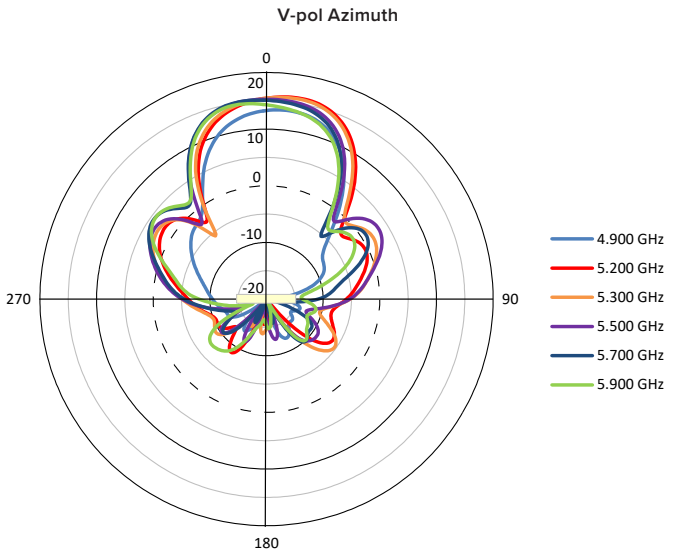
ENCRYPTION	AES 128
AUTHENTICATION	Internal MAC Address Control List, Radius based Authentication (with VLAN and QoS provisioning)

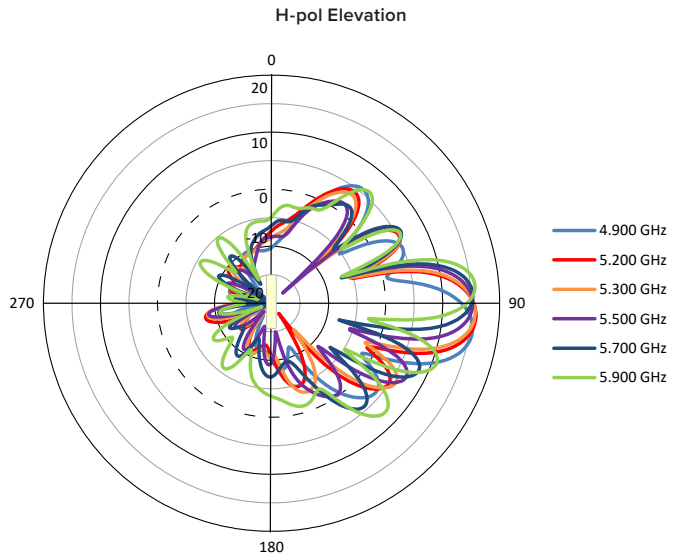
ANTENNA

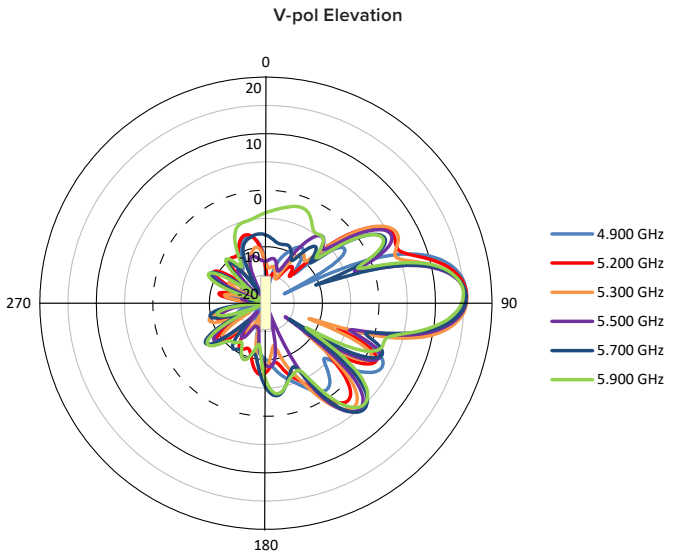
Integrated 2x2 MIMO 15 dBi Dual Polarized 35 degree Panel Antenna plus Four RP-SMA Connectors (Software switch between integrated antenna and connectors)

ANTENNA PATTERNS (Sector Mode)









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 (MIMO 4x4 mode requires 802.3at)

POWER CONSUMPTION

10 W typical, 12 W max in MIMO 2x2 mode

22 W typical, 25 W max in MIMO 4x4 mode

ENVIRONMENTAL SPECS	OPERATING TEMPERATURE	STORAGE TEMPERATURE	HUMIDITY - IP RATING	WIND LOADING
	-22° to 131° Fahrenheit (-30° to 55° Celsius)	-58° to 158° Fahrenheit (-50° to 70° Celsius)	100% relative humidity–IP67	112.5 mph (180 km/h)
PHYSICAL SPECS	**DIMENSIONS PACKAGED**	**DIMENSIONS NPACKAGED**	**WEIGHT (PACKAGED)**	**WEIGHT (UNPACKAGED)**
MP-1015-BS3	12.2 x 8.9 x 3.85 in (310 x 226 x 98 mm)	6.7 x 8.55 x 2.2 in (170 x 217 x 56 mm)	5.84 lbs (2.65 kg)	2.73 lbs (1.24 kg)

SAFETY STANDARDS

IEC 62368-1:2014 & 60950-22:2016.

UL 62368-1, 2nd Ed. & 60950-22, 2nd Ed.

CERTIFICATIONS

FCC part 15B class B (EMC), part 15C (Bluetooth) and part 15E (5 GHz radio)

PACKAGE CONTENTS

- One Edge MP-1015-BS3 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.

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.

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