Edge Quickbridge® 1025

Product Snapshot

The Edge Quickbridge® 1025 is a wireless bridge-in-a-box solution, ideal for customers who need a point-to-point wireless link up and running quickly.

The flexibility to use the integrated antenna for short to medium-haul links and external antennas for longer distances with a single one-box solution is a real plus.

- Wide Band 5 GHz Radio
- 4x4 MIMO radio delivering up to 380 Mbps[1]
- 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. 4x4 MIMO requires an external antenna and can be configured as 4x4:2 for redundancy or 4x4:4 for higher throughput or smaller channel.

Specifications

PRODUCT MODELS

QB-1025-LNK-WD	Edge Quickbridge 1025, Link, 400 Mbps, integrated antenna and RP-SMA - WD PoE	PN: 902-00919
QB-1025-LNK-80MHz-UPG	Edge Quickbridge 1025, Link, 80 MHz channel license upgrade	PN: 997-00044

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 and 40 MHz (license upgrade to 80 MHz)
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	REQUIRES LICENSE UPGRADE 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
Throughput-MIMO 2x2 Mode	122 Mbps	294 Mbps	380 Mbps
Throughput-MIMO 4x4 Mode (Requires External Antenna)	240 Mbps	380 Mbps	380 Mbps
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

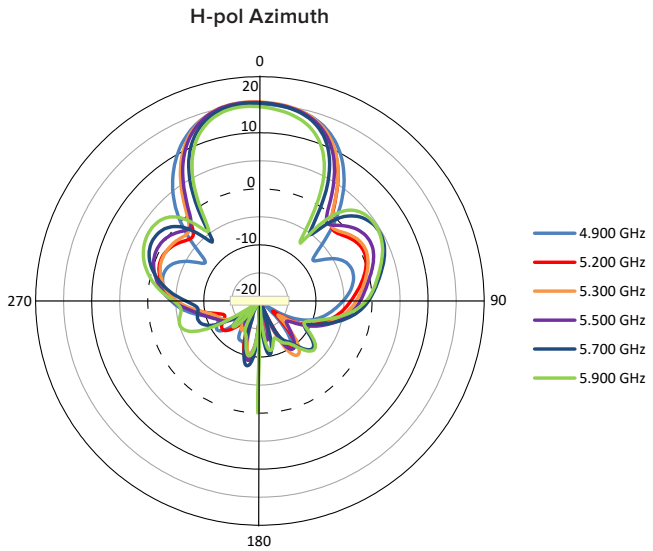
SECURITY

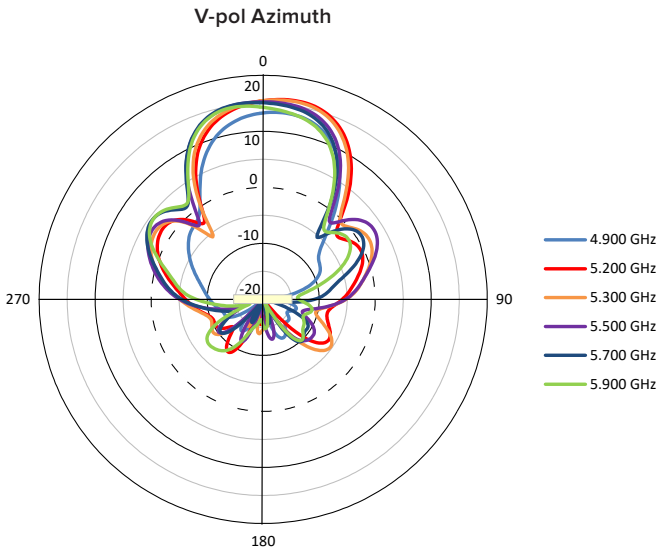
ENCRYPTION	AES 128
AUTHENTICATION	Internal MAC Address Control List, Radius based Authentication (with VLAN and QoS provisioning)

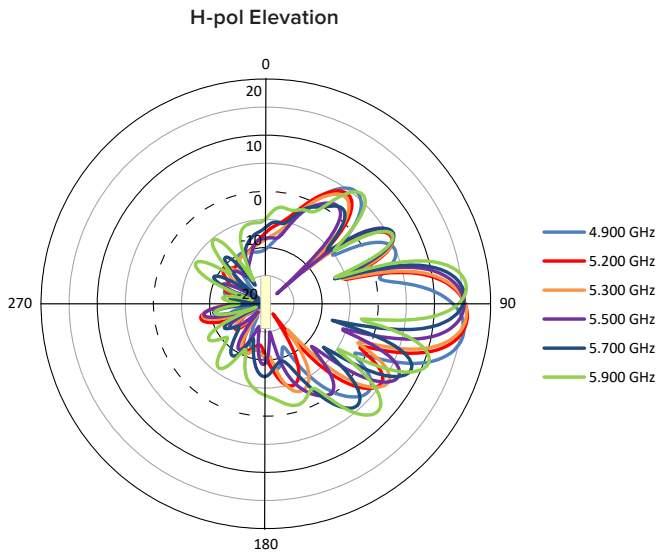
ANTENNA

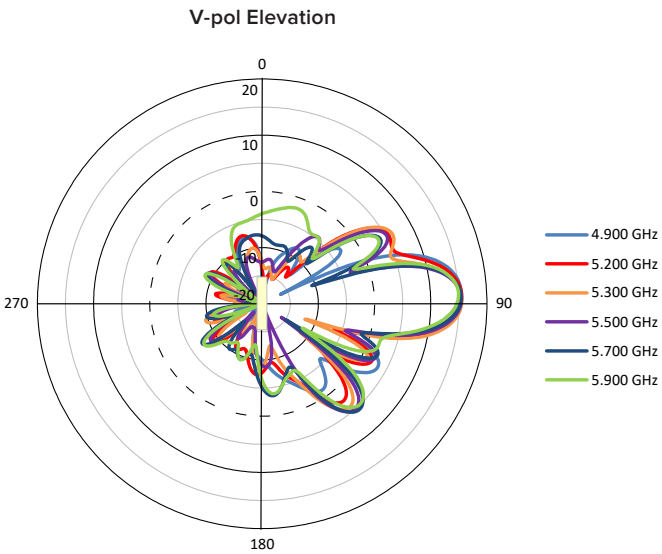
Integrated 2x2 MIMO 15 dBi Dual Polarized 35 degree Panel Antenna plus Four RP-SMA Connectors (Software switch between integrated antenna and connectors)

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
	-30° to 55° Celsius (-22° to 131° Fahrenheit) Temporary increases up to 60°C (140° Fahrenheit) will not impact operation of the unit.	-50° to 70° Celsius (-58° to 158° Fahrenheit)	100% relative humidity– IP67	180 km/h (112.5 mph)
PHYSICAL SPECS	**DIMENSIONS PACKAGED**	**DIMENSIONS NPACKAGED**	**WEIGHT (PACKAGED)**	**WEIGHT (UNPACKAGED)**
QB-1025-LNK-WD	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)	2.85 kg (6.28 lbs)	1.24 kg (2.73 lbs)

SAFETY STANDARDS

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

CAN/CSA C22.2 No 62368-1:14 & No 60950-22:17

EN 62368-1:2014 + A11:2017 & 60950-22:2017

CERTIFICATIONS

CANADA	RSS-247 issue 2, RSS-102 issue 5, ICES-003 issue 7
EUROPE	RED EN 301 489-1 + EN 301 489-17 + EN 301 489-19 + EN 300 328 + EN 301 893 + EN 302 502 + EN 303 413

PACKAGE CONTENTS

- One Edge QB-1025-LNK-WD 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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