

Edge Quickbridge 1015, a cost-effective urban wireless backhaul solution



The Proxim Edge Quickbridge 1015 is a highly reliable outdoor Point to Point system designed to deliver years of reliable service and priced to fit cost-sensitive medium-range backhaul projects.

The Edge Quickbridge 1015 enables rapid deployment of fast and efficient networks and offers:

- A throughput of 100 Mbps with channel sizes from 20 to 80 MHz (license upgradable to 200 Mbps)¹.
- A High power radio delivering up to 27 dBm (4 RF) at 5 GHz.
- High reliability and advanced QoS for quad-play applications.
- Dual IPv4 and IPv6 stacks.
- IP67 rated enclosure with surged protected ethernet port.

The Edge Quickbridge is powered by Proxim's advanced Wireless Outdoor Router Protocol (WORP). Among the many benefits of WORP is its effective use of bandwidth, granular service level management, and an advanced Quality of Service engine.

Highly Secure

The Edge Quickbridge 1015 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).

Easy to Deploy

The Edge Quickbridge 1015 simplifies network deployment and includes:

- Link kit: two endpoints in a box.
- Built-in 15 dBi 35-degree dual-polarity antenna, plus RP-SMA connectors for external antennas when an extended range is needed.
- Integrated full axis mounting kit.
- 802.3af/at Power over Ethernet.
- Bluetooth Low Energy interface for easy configuration via the Proxim BlueConnect smartphone application for Android and iOS.

Centralized Management Options

The Edge Quickbridge 1015 is fully integrated into the ProximVision[®] Advanced management platform, giving network operators advanced management and monitoring options including:

- Rapid Network Deployment: automates configuration processes for faster, more efficient deployment of Proxim Wireless networks.
- Central upgrade management.
- Advanced Statistic 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.

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.

¹ A license upgrade to activate MU-MIMO 4x4:4 for higher throughput over the same occupied frequency band will be available in a future software release.

Specifications

PRODUCT MODELS		PART NUMBERS	
QB-1015-LNK	Edge Quickbridge 1015, link, 100 Mbps, integrated antenna and RP-SMA (Two QB-1015-EPR)	902-00941	QB-1015-LNK-US
LICENSES		PART NUMBERS	
QB-1015-LNK-200-UPG	Edge Quickbridge 1015, link, 100 Mbps to 200 Mbps license upgrade	997-00056	
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 THROUGHPUT TX POWER TX POWER CONTROL	2x2:2 and 4x4:4 ¹ OFDM BPSK-QAM256 5.150 – 5.925 GHz (Subject to Country Regulations) 20, 40, 80 MHz Up to 100 Mbps (license upgrade to 200 Mbps) Up to 24 dBm (dual chain) or 27 dBm (quad chain) 0 - 17 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	24	23
4 RF	27	27	26
	MCS8:	MCS9:	MCS9:
2 RF	20	20	19
4 RF	23	23	22
RX SENSITIVITY (Per=10 ⁻⁶)	MCS0:	MCS0:	MCS0:
	-91	-87	-85
	MCS8:	MCS9:	MCS9:
	-68	-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		
ANTENNA			
	Integrated 2x2 MIMO 15 dBi Dual Polarized 35 degree Pannel Antenna plus Four 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		

¹ A license upgrade to activate MU-MIMO 4x4:4 for higher throughput over the same occupied frequency band will be available in a future software release.

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 in MIMO 2x2 mode 16 W 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 UNPACKAGED	WEIGHT (PACKAGED)	WEIGHT (UNPACKAGED)
QB-1015-EPR	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/EN 62386-1 and 60950-22			
PACKAGE CONTENTS				
	<ul style="list-style-type: none"> • One Edge Quickbridge QB-1015-LNK with integrated antenna plus four RP-SMA connectors (Two QB-1015-EPR) • Ten RP-SMA weather proofing caps • Two M25 weather proofing cable glands • Two power injectors and country specific power cords • Two full axis mounting kits • Two Grounding kits • Two Quick Installation Guides 			
MTBF & WARRANTY				
	>250 000 hours, 2-year warranty, ServPak Extended Support available.			