



快速灵活的回程解决方案

Quickbridge[®] 10100系列可在最恶劣的条件下提供高带宽回程和可靠的运营商级服务。

非常适合需要将关键应用程序和服务连接到数据中心或全球的服务供应商或企业。

高功率、高度集成和不同外部天线型号系列，可灵活设计满足最严格标准的回程链路。

Quickbridge[®] 10100支持以下关键功能，这些功能对于那些需要了解他们所依赖的网络的运营商，无线服务供应商和政府组织至关重要。

强大且可靠

QuickBridge[®] 10100专为恶劣环境而设计，完全符合IP67防护等级，可在大风，高盐和极端高温环境中提供多年可靠的服务。

亮点

- 基于服务流的QoS和深度包检测 (DPI)，以确保最重要的数据优先到达
- 极低的延迟可以支持时间关键型应用程序
- 可在4.900至5.925 GHz的免许可频段内运行
- 灵活的RF规划，信道规格为20、40和80 MHz
- 高级正交频分复用技术 (OFDM) 提供的非视距功能以及2x2 MIMO可轻松部署在一些具有挑战性的领域
- 部署工具包括频谱分析仪，天线对准和远程管理配置
- 完美集成在ProximVision[®]高级运营商管理系统中。

实现技术

Proxim WORP[®]

-结合网络访问控制、数据调度排队、高级QoS和加密，以确保高效和安全的数据传输。

Proxim ClearConnect[™]

一套确保在高密度无线部署中进行稳定和可靠通信的干扰缓解技术。

多语言支持

Web界面提供英语，法语，西班牙语和中文

关于Proxim Wireless

Proxim Wireless是全球先进的Wi-Fi、点对点、点对多点户外无线系统的先驱和领头羊，该系统用于建立关重要任务和高度可用性通信。

Proxim公司拥有超过30年的无线电方面的经验，以其无与伦比的可靠性，卓越的性能和创新动力而闻名。

规格

| PRODUCT MODELS | | PART NUMBERS | |
|------------------------------|--|------------------------|---|
| QB-10100-LNK | Tsunami® QB 10100 Link, single radio, 866 Mbps, MIMO 2x2, Type-N Connectors | 902-00769 | QB-10100-LNK-US |
| QB-10150-LNK | Tsunami® QB 10150 Link, single radio, 866 Mbps, MIMO 2x2, 22 dBi antenna | 902-00771 | QB-10100-LNK-WD |
| QB-10150-LKL | Tsunami® QB 10150 Link Long-range, single radio, 866 Mbps, MIMO 2x2, 28 dBi antenna | 902-00773 | QB-10150-LNK-US |
| | | 902-00775 | QB-10150-LNK-WD |
| | | 902-00779 | QB-10150-LKL-US |
| | | 902-00780 | QB-10150-LKL-WD |
| 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 | 4.900 – 5.925 GHz (Subject to Country Regulations) | | |
| CHANNEL SIZE | 80 MHz, 40 MHz and 20 MHz (±5ppm channel accuracy) | | |
| DATA RATE | MCS 0 to 9 with Dynamic Data Rate Selection | | |
| TX POWER | Up to 28 dBm (dual chain) | | |
| TX POWER CONTROL | 0 - 27 dB, in 1 dB steps. Automatic TPC with configurable EIRP limit | | |
| | 80 MHz | 40 MHz | 20 MHz |
| TX POWER (dual RF) | MCS0: 28 MCS9: 21 | MCS0: 28 MCS9: 22 | MCS0: 29 MCS8: 25 |
| RX SENSITIVITY (Per=10%) | MCS0: -89 MCS9: -68 | MCS0: -93 MCS9: -71 | MCS0: -94 MCS8: -74 |
| THROUGHPUT (RFC 2544) | Up to 672 Mbps | Up to 324 Mbps | Up to 137 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 | | |
| ANTENNA | | | |
| QB-10100-EPA | Two N-type Connectors with built-in Surge Protection | | |
| QB-10150-EPR | Integrated 2x2 MIMO 22dBi Dual Polarized 1 foot Panel Antenna | | |
| QB-10150-EPL | Integrated 2x2 MIMO 28dBi Dual Polarized 2 feet Panel Antenna | | |
| MANAGEMENT | | | |
| REMOTE | Telnet and SSH, Web GUI and SSL/TLS, 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 Chinese, English, French and Spanish | | |
| SYNCHRONIZATION | | | |
| | Pass-through SyncE and Precision Time Protocol (IEEE 1588v2) Ethernet Synchronization | | |
| 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 | 802.1p priority, IPTOS, VLAN ID, IP addresses, ports, Ethernet addresses, IP protocol, and EtherType | | |
| Capabilities | | | |
| Scheduling | Best Effort, Real Time Polling Services | | |
| NETWORK | | | |
| MODES | Bridging (support LACP through external switches), 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 | | | |
| | 14 Watt typical, 17.5 Watt maximum | | |

| 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 | QB-101x0-EPA/EPR - 200 km/h (125 mph) QB-10150-EPL - 180 km/h (112.5 mph) |
| PHYSICAL SPECS | DIMENSIONS PACKAGED | DIMENSIONS UNPACKAGED | WEIGHT (PACKAGED) | WEIGHT (UNPACKAGED) |
| QB-10100-EPA | 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) |
| QB-10150-EPR | 14.56 x 13.0 x 7.87 in (370 x 331 x 200 mm) | 12 x 12 x 3.40 in (305 x 305 x 85 mm) | 10.91 lbs (4.95 kg) | 5.30 lbs (2.4 kg) |
| QB-10150-EPL | 27.55 x 6.85 x 27.55 in (700 x 174 x 700 mm) | 23.62 x 23.62 x 3.85 in (600 x 600 x 92 mm) | 23.15 lbs (10.5 kg) | 14.33 lbs (6.5 kg) |
| SAFETY STANDARDS | | | | |
| | UL 60950, CAN/CSA-C22.2 No. 60950, IEC 60950, EN 60950 (part -1 and -22) | | | |
| CERTIFICATIONS | | | | |
| | USA: FCC 90Y + 15E (UNII 15.247), Canada: IC RSS 102 + RSS 111 + RSS 247 Europe: RED EN 301 489-1 + EN 301-489-17 + EN 301 893 + EN 302 502 | | | |
| PACKAGE CONTENTS | | | | |
| | <ul style="list-style-type: none"> • One Tsunami® QB-10100-LNK with two N-type surge protected connectors (Two QB-10100-EPA) Or One Tsunami® QB-10150-LNK with integrated 22 dBi dual polarized antenna (Two QB-10150-EPR) Or One Tsunami® QB-10150-LKL with integrated 28 dBi dual polarized antenna (Two QB-10150-EPL) • Two power injector and country specific power cord • Two Connector weatherproofing kit (Includes all recommended weatherproofing material) • Two Wall / Pole mounting kit • Two Antenna alignment (RJ11) dongle • Two Grounding kit • Two Quick Installation Guide | | | |
| MTBF & WARRANTY | | | | |
| | MTBF over 250 000 hours & 2-year warranty with ServPak Extended Support available. | | | |