



安全的电信级回程

Quickbridge[®] 10100S 提供 Quickbridge[®] 10100 系列的所有优点，并通过使用 AES 256 加密提供增强的安全性。然后将此加密数据封装在 WOPR[®] 协议中，从而增加了额外的安全层。

Quickbridge[®] 10100S 系列即使在最恶劣的条件下也能提供具有电信级可靠性的高带宽回程。

非常适合需要将关键应用程序和服务连接到数据中心或世界的服务提供商或企业。

高功率、集成和外部天线型号的范围提供了设计满足最严格标准的回程链路的灵活性。

Quickbridge[®] 10100S 支持以下关键功能，这些功能对于需要了解他们可以依赖网络的运营商、无线服务提供商和政府组织至关重要。

坚固可靠

QuickBridge[®] 10100S 专为恶劣环境而设计，完全符合 IP67 防护等级，可在包括强风、高盐分 and 高温极端条件在内的条件下提供多年的可靠服务。

强调

- 基于服务流的 QoS 与深度数据包检测 (DPI) 以确保最重要的数据优先到达
- 极低的延迟支持对时间关键的应用程序的支持
- 在 4.900 至 5.925 GHz 的未授权频段中运行
- 具有 20、40 和 80 MHz 信道大小的灵活射频规划
- 高级正交频分复用 (OFDM) 和 2x2 MIMO 提供的非视距功能简化了在挑战性区域的部署
- 部署工具包括频谱分析仪、天线校准和远程管理配置
- 完全集成在 ProximVision[®] 高级运营商管理系统中。

实现技术

Proxim WOPR[®]

-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 是提供高性能和高可用性通信的高级无线宽带和 WiFi 解决方案的全球领导者。

Proxim 庆祝 40 年来开创性的无线解决方案，以无与伦比的可靠性、卓越的性能和对创新的驱动力而获得认可。

规格

PRODUCT MODELS		PART NUMBERS		
QB-10100S-LNK	Tsunami® QB 10100 Link, AES 256, 867 Mbps, MIMO 2x2, Type-N Connectors	902-00855 QB-10100S-LNK-US		
QB-10150S-LNK	Tsunami® QB 10150 Link, AES 256, 867 Mbps, MIMO 2x2, 22 dBi panel antenna	902-00950 QB-10100S-LNK-WD 902-00857 QB-10150S-LNK-US 902-00952 QB-10150S-LNK-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			
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-10100S-EPA	Two N-type Connectors with built-in Surge Protection			
QB-10150S-EPR	Integrated 2x2 MIMO 22dBi Dual Polarized 1 foot 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 English, French, Spanish and Chinese			
SYNCHRONIZATION				
	Pass-through SyncE and Precision Time Protocol (IEEE 1588v2) Ethernet Synchronization			
SECURITY				
ENCRYPTION	AES 128 and AES 256			
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)		48 to 57 VDC – 25 Watt on Ethernet port2	
	12 VDC via Access port		(PoE – software controlled)	
	Power should not be provided simultaneously on both ports.		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	200 km/h (125 mph)

PHYSICAL SPECS	DIMENSIONS PACKAGED	DIMENSIONS UNPACKAGED	WEIGHT (PACKAGED)	WEIGHT (UNPACKAGED)
QB-10100S-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-10150S-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)
SAFETY STANDARDS				
	IEC 62368-1:2016 & 60950-22:2016 UL 62368-1 2nd edition & 60950-22 2nd edition CAN/CSA C22.2 No 62368-1:14 & No 60950-22:17 EN 62368-1:2014 + A11:2017 & 60950-22:2017			
CERTIFICATIONS				
	USA: FCC 90Y + 15C + 15E (UNII 15.247) Canada: IC RSS 102 + RSS 111 + RSS 247 Europe: RED EN 301 489-1 + EN 301-489-17 + EN 300 328 + EN 301 893 + EN 302 502			
PACKAGE CONTENTS				
	<ul style="list-style-type: none"> • One Tsunami® QB-10100S-LNK with two N-type surge protected connectors (Two QB-10100S-EPA) Or One Tsunami® QB-10150S-LNK with integrated 22 dBi dual polarized antenna (Two QB-10150S-EPR) • 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.			