



## 许可的带宽可支持50、100和200 Mbps数据处理量可选。

Tsunami Quickbridge® 10100-xxx是Tsunami Quickbridge® 10100产品系列的紧凑带宽控制版本, 具有10100系列的所有先进功能和优势, 并且进入成本更低。带宽可以根据所需从50 Mbps扩展到200 Mbps, 网络设计人员根据应用的需要调整链接的大小。

这种高度可靠并且简洁的产品非常适合安装在城市和主要高速公路上, 在这些地方, 无线点对点网络可提供视频、雷达和交通控制数据的最优, 最低成本回程。

Tsunami® 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

Tsunami® 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 and 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。

## 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-50	Tsunami QB 10100 Link, 50 Mbps, MIMO 2x2, Type-N Connectors (two QB-10100-EPA-50)	902-00847 QB-10100-LNK-50-US 902-00849 QB-10100-LNK-50-WD	
QB-10100-LNK-100	Tsunami QB 10100 Link, 100 Mbps, MIMO 2x2, Type-N Connectors (two QB-10100-EPA-100)	902-00851 QB-10100-LNK-100-US 902-00853 QB-10100-LNK-100-WD	
LICENSE UPGRADE			
QB-10100-LNK-100-UPG	Tsunami QB 10100 Link, 50 Mbps to 100 Mbps license upgrade   Part Number : 997-00038		
QB-10100-LNK-200-UPG	Tsunami QB 10100 Link, 100 Mbps to 200 Mbps license upgrade   Part Number : 997-00039		
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		
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	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	License controlled to 50, 100 or 200 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		
MANAGEMENT			
REMOTE	Telnet and SSH, Web GUI and SSL, 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		
SYNCHRONIZATION			
	Pass-through 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, 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 SUPPLY			
	36 to 57 VDC via Ethernet port (Power over Ethernet) 12 VDC via Access port Power should not be provided simultaneously on both ports.		
POWER CONSUMPTION			
	11.5 Watt typical, 15.5 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	180 km/h (112.5 mph)
PHYSICAL SPECS	DIMENSIONS PACKAGED	DIMENSIONS UNPACKAGED	WEIGHT (PACKAGED)	WEIGHT (UNPACKAGED)
QB-10100-EPA	11.81x10.83x5.31 in (300x275x135 mm)	5.02x8.68x2.85 in (127.5x220.5x72.5 mm)	6.39 lbs (2.9 kg)	2.75 lbs (1.250 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"> <li>• One Tsunami® QB-10100-LNK with two N-type surge protected connectors (Two QB-10100-EPA)</li> <li>• Two power injector and country specific power cord</li> <li>• Two Connector weatherproofing kit (Includes all recommended weatherproofing material)</li> <li>• Two Pole mounting kit</li> <li>• Two Grounding kit</li> <li>• Two Quick Installation Guide</li> </ul>			
MTBF & WARRANTY				
	MTBF over 250 000 hours & 2-year warranty with ServPak Extended Support available.			