



起始数据处理量为320Mbps，现场可升级至630Mbps

Multipoint 10100L产品系列是集高处理量、可靠、经济高效和近距离点对多点为一体的一系列无线产品。Multipoint 10100L系列可以降低进入高带宽点对多点网络的成本。能够升级产品以支持80 Mhz通道，处理量实现630Mbps

世界级性能

- 点对多点系统，可提供高达400 Mbps的数据速率，覆盖距离可达10英里（16 km）
- IPv4和IPv6双协议栈，在未察觉的情况下演变成未来的网络
- 具有监控，简化或高级Web界面的三级登录
- 内置功能丰富的网络协议，用于桥接，路由和网关功能
- 铁路认证的高速移动速度高达185 mph（295 km/h）

近视距和高级功能

- 具有双千兆以太网端口，PoE输出可为其他设备，如监控摄像头或其他无线电设备供电
- 执行深度数据包检查（DPI）以创建独特和复杂的服务规则，轻松分层服务级别
- BSU冗余（500毫秒切换时间）和动态信道选择，无论什么条件都能确保服务的连续性
- 频谱分析仪用于分析干扰频段，并选择最佳可用频道

运营商级回程

- 为未许可的频谱中最安全的室外无线通信实施AES加密和远程认证拨入用户服务身份验证
- 利用Proxim的无线室外路由协议（WORP[®]）来防止窥探，并通过SSL/TLS1.2，SSH和SNMPv3实现高度安全的远程管理
- 具有以太网端口，具有直通IEEE 1588v2同步功能，支持9k 巨型帧。

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。

Proxim FastConnect[™]

移动技术在固定基站和移动车辆之间提供快速切换，以确保不间断的宽带接入，支持速度达到295公里/小时（185英里/小时）

强大且可靠

Multipoint 10100L专为恶劣环境而设计，完全符合IP67防护等级，可在大风，高盐和高温极端条件下提供多年可靠的服务。

产品系列的兼容性

- 连接所有现有的 MP-10200, MP-10100, MP-8200, MP-820和MP-830产品
- 完美集成在ProximVision[®]高级云端运营商管理系统和Controllereliver 630Mbps中。

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
MP-10100L-BSU	Tsunami® MP 10100 Base Station Lite, 400 Mbps, MIMO 2x2, Type-N Connectors	901-00272 MP-10100L-BSU-US 901-00277 MP-10100L-BSU-WD
MP-10150L-BS9	Tsunami® MP 10150 Base Station Lite, 400 Mbps, MIMO 2x2, 90° sector antenna	901-00274 MP-10150L-BS9-US 901-00279 MP-10150L-BS9-WD
MP-10150L-BS1	Tsunami® MP 10150 Base Station Lite, 400 Mbps, MIMO 2x2, 22 dBi panel antenna	901-00275 MP-10150L-BS1-US 901-00280 MP-10150L-BS1-WD
MP-10100L-SUA	Tsunami® MP 10100 Subscriber Unit Lite, 400 Mbps, MIMO 2x2, Type-N Connectors	901-00273 MP-10100L-SUA-US 901-00278 MP-10100L-SUA-WD
MP-10150L-SUR	Tsunami® MP 10150 Subscriber Unit Lite, 400 Mbps, MIMO 2x2, 22 dBi panel antenna	901-00276 MP-10150L-SUR-US 901-00281 MP-10150L-SUR-WD
MP-10100L-BSx-866-UPG	Tsunami® MP 10100 Base Station Lite, 400 Mbps to 866 Mbps license upgrade	997-00032 MP-10100L-BSx-866-UPG
MP-10100L-SUx-866-UPG	Tsunami® MP 10100 Subscriber Unit Lite, 400 Mbps to 866 Mbps license upgrade	997-00033 MP-10100L-SUx-866-UPG
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	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	
	40 MHz	20 MHz
TX POWER (dual RF)	MCS0: 28 MCS9: 22	MCS0: 29 MCS8: 25
RX SENSITIVITY (Per=10%)	MCS0: -93 MCS9: -71	MCS0: -94 MCS8: -74
THROUGHPUT (RFC 2544)	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		
MP-10100L-BSU/SUA	Two N-type Connectors with built-in Surge Protection	
MP-10150L-BS9	Integrated 2x2 MIMO 16dBi Dual Polarized 90 degree Sector Antenna	
MP-10150L-BS1/SUR	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 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, 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	200 km/h (125 Mph)
PHYSICAL SPECS	DIMENSIONS PACKAGED	DIMENSIONS UNPACKAGED	WEIGHT (PACKAGED)	WEIGHT (UNPACKAGED)
MP-10100-BSU/SUA	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)
MP-10150-BS9	18.46 x 7.05 x 21.57 in (469 x 179 x 548 mm)	14.57 x 14.57 x 4.21 in (370 x 370 x 107 mm)	13.67 lbs (6.2 kg)	7.27 lbs (3.3 kg)
MP-10150-BS1/SUR	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				
	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, Railway: EN 50155 + EN 50121 + EN 61373			
PACKAGE CONTENTS				
	<ul style="list-style-type: none"> One Tsunami® MP-10100L-BSU/SUA with two N-type surge protected connectors Or One Tsunami® MP-10150L-BS9/BS1/SUR with integrated dual polarized antenna One power injector and country specific power cord One Connector weatherproofing kit (Includes all recommended weatherproofing material) One Wall / Pole mounting kit One Antenna alignment (RJ11) dongle One Grounding kit One Quick Installation Guide 			
MTBF & WARRANTY				
	MTBF over 250 000 hours & 2-year warranty with ServPak Extended Support available.			