

キーテクノロジー

Proxim WORP®

Proxim WORP® - ネットワークアクセス制御、データスケジューリング、高度なQoS、および暗号化を組み合わせ、非常に効率的で安全なデータ送信を保証します。

Proxim ClearConnect™

ProximClearConnect™は、高密度ワイヤレス展開で堅牢で信頼性の高い通信を保証する干渉軽減テクノロジーのスイートです。

Proxim FastConnect™

ProximFastConnect™は、固定基地局と移動中の車両の間で迅速なハンドオフを実現し、最大295 km / h (185 mph) の速度で途切れることのないブロードバンドを保証するモビリティテクノロジーです。

製品ラインの互換性

- MP-10250-BSXは、既存のすべてのMP / XP 10100、MP-10100L、MP-8200、MP-820、およびMP-830製品に接続します
- MP-10250-SRXはMP-10250-BSXにのみ接続します
- ProximVision® Advanced Cloud Based Carrier Management SystemおよびControllerに完全に統合されています

多言語サポート

英語、フランス語、スペイン語、中国語で利用可能なWebインターフェイス

Specifications

PRODUCT MODELS		PART NUMBERS		
MP-10250-BSX	Tsunami® MP 10250 Base Station Unit, 867 Mbps, MIMO 2x2, 16 dBi BeamX antenna, Scan radio	901-00291	MP-10250-BSX-US	
MP-10250-SRX	Tsunami MP 10250 Subscriber Unit, 867 Mbps, MIMO 2x2, BeamX antenna, SmartScan radio	901-00292	MP-10250-BSX-WD	
		901-00340	MP-10250-SRX-US	
		901-00341	MP-10250-SRX-WD	
LICENSE UPGRADES				
MP-102x0-BSx-AES256-UPG	Tsunami MP 10200 Base Station, AES 128 to AES 256 license upgrade	997-00050		
MP-102x0-SUx-AES256-UPG	Tsunami MP 10200 Subscriber Unit, AES 128 to AES 256 license upgrade	997-00049		
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 and 0x2:2 (scan radio)			
MODULATION	OFDM with BPSK, QPSK, QAM16, QAM64, QAM256			
FREQUENCY	4.900 – 5.850 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	SCAN RADIO
TX POWER (dual RF)	MCS0: 28 dBm	MCS0: 28 dBm	MCS0: 29 dBm	N/A
	MCS9: 21 dBm	MCS9: 22 dBm	MCS8: 25 dBm	
RX SENSITIVITY (Per=10%)	MCS0: -89 dBm	MCS0: -93 dBm	MCS0: -94 dBm	N/A
	MCS9: -68 dBm	MCS9: -71 dBm	MCS8: -74 dBm	
THROUGHPUT	Up to 672 Mbps	Up to 324 Mbps	Up to 137 Mbps	N/A
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 Beam Steering Antenna:				
Beam Width	17° spanning over ± 30° sector			
Receive Gain	16 dBi (11 dBi before 5.150 GHz)			
Transmit Gain	20 dBi (11 dBi before 5.150 GHz)			
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			
Multi-Language Support	Web Interface available in English, French, Spanish and Chinese			
SYNCHRONIZATION				
	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			
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)		48 to 57 VDC – 25 Watt on Ethernet port2 (PoE – software controlled)
		12 VDC via Access port		12 VDC on Access port
		Power should not be provided simultaneously on both ports		
POWER CONSUMPTION				
	30 Watt typical, 40 Watt maximum			
ENVIRONMENTAL SPECS		OPERATING TEMPERATURE	STORAGE TEMPERATURE	HUMIDITY - IP RATING
		-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)
MP-10250-BSX/SRX		18.46 x 7.05 x 21.57 in (469 x 179 x 548 mm)	14 x 14 x 3.40 in (371 x 371 x 85 mm)	13.67 lbs (6.2 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 + 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® MP-10250-BSX/SRX with integrated BeamX antenna and scan radio 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			