El CPE/CPA Multipunto 10200

Resumen del producto

El Proxim Multipunto CPE/CPA 10200 es una solución cliente multipunto compacta para despliegues inalámbricos a gran escala y ofrece una excelente relación calidad-precio para cualquier organización que necesite redes punto a multipunto de densidad media a alta.

- Radio de banda ancha con soporte de frecuencias en 5GHz.
- Radio MIMO 2×2 que ofrece un rendimiento de hasta 672 Mbps.
- Antena de panel (CPE) integrada de 15 dBi y doble polarización (H+V) de dos conectores (CPA)
- QoS avanzada para aplicaciones quad-play
- Cifrado AES de 128 bits con opción de actualización a 256 bits
- Canales de 20, 40 y 80 MHz

Desarrollado con WORP®

Proxim WORP permite el acceso de banda ancha inalámbrico más eficiente posible en una red basada en paquetes. Los controles avanzados de QoS, las velocidades de compromiso por interfaz, los controles de latencia, IGMP snooping y el soporte para transmisión Multicast nativa, permiten una gestión granular del nivel de servicio y el mejor rendimiento de video disponible en esta clase de producto.

Gestión avanzada de interferencias

Proxim ClearConnect™ combina múltiples tecnologías dinámicas y ofrece la mejor solución de gestión de interferencias disponible.

Movilidad

Gracias a su avanzada tecnología de movilidad, la serie 10200 ofrece un rápido traspaso entre estaciones base fijas y subscriptores instalados en vehículos en movimiento que garantizan un banda ancha ininterrumpida a velocidades de hasta 295 km/h (185 mph). Certificada para uso ferroviario según EN 50155, EN 50121 y EN 61373

Confiabilidad y robustez

Carcasa de metal con clasificación IP67 para garantizar años de servicio confiable en entornos hostiles, incluidos vientos fuertes, salinidad alta y temperaturas extremas.

Specifications

PRODUCT MODELS

MP-10250-CPE-WD	Tsunami® MP 10250 Customer Premise Equipment, 400 Mbps, MIMO 2x2, 15dBi panel	PN: 901-00321
MP-10200-CPA-WD	Tsunami® MP 10200 Customer Premise Equipment, 400 Mbps, MIMO 2x2, N-Type Connectors	PN: 901-00315

LICENSE UPGRADES

MP-102x0-CPx-866-UPG	Tsunami® MP 10200 Customer Premises Equipment, 400 Mbps to 866 Mbps license upgrade	PN: 997-00047
MP-102x0-CPx-AES256-UPG	Tsunami® MP 10200 Customer Premise Equipment, AES 128 to AES 256 license upgrade	PN: 997-00048

INTERFACES

WIRED ETHERNET	One auto MDI-X RJ45 10/100/1000Mbps Ethernet with PoE in & 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	20 MHz and 40 MHz, Upgradeable to 80 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 dBm	MCS0: 28 dBm	MCS0: 29 dBm
	MCS9: 21 dBm	MCS9: 22 dBm	MCS9: 25 dBm
RX SENSITIVITY (Per=10%)	MCS0: -89 dBm	MCS0: -93 dBm	MCS0: -94 dBm
	MCS9: -68 dBm	MCS9: -71 dBm	MCS9: -74 dBm
THROUGHPUT	324 Mbps upgradeable to 672 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		

MANAGEMENT

REMOTE	Telnet and SSH, Web GUI and SSL/TLS1.2, 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-trough SyncE and Precision Time Protocol (IEEE 1588v2) Ethernet Synchronization

SECURITY

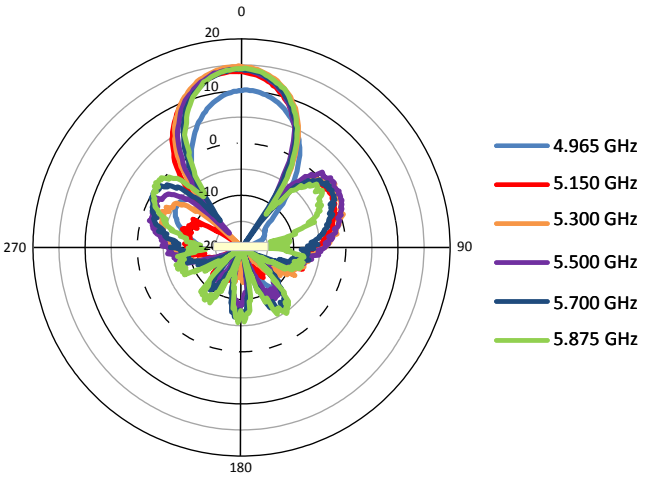
ENCRYPTION	AES 128, upgradeable to AES 256
AUTHENTICATION	Internal MAC Address Control List, Radius based Authentication (with VLAN and QoS provisioning)

ANTENNA

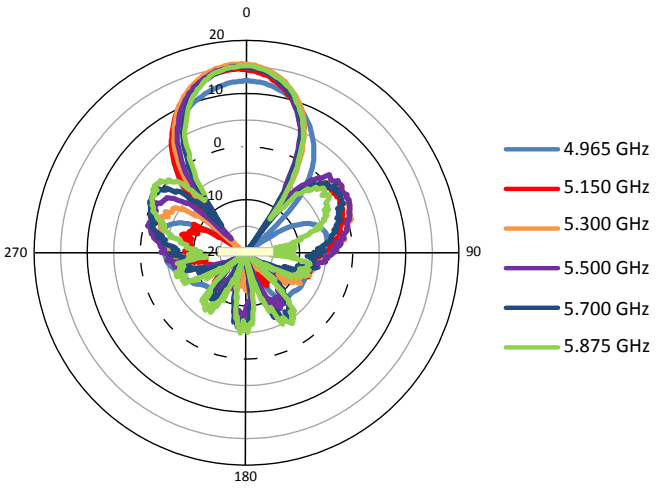
MP-10200-CPA	Two N-type Connectors
MP-10250-CPE	Integrated 15 dBi dual Polarized (H+V) panel antenna (12 dBi before 5.000 GHz and 14 dBi beyond 5.850 GHz)

ANTENNA PATTERNS (Sector Mode)

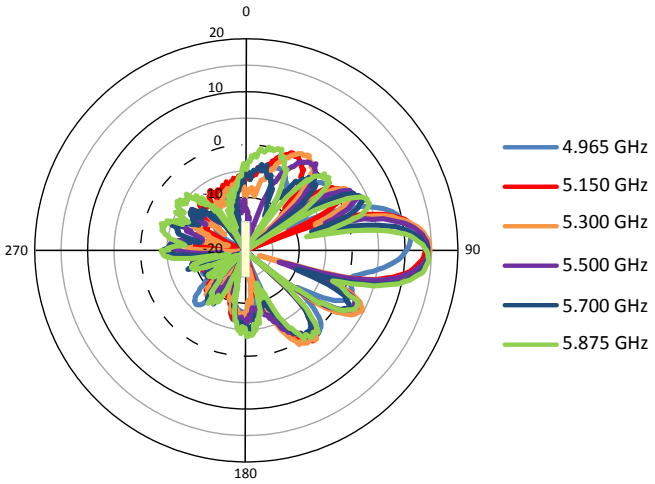
H-pol Azimuth



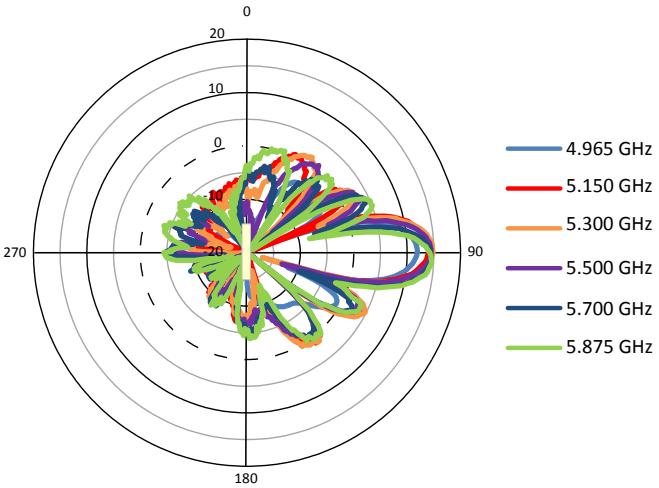
V-pol Azimuth



H-pol Elevation



V-pol Elevation



QoS

Asymmetric Bandwidth Control	Asymmetric UL/DL committed and maximum information rate per service flow
Packet Classification Capabilities	802.1p priority, IPTOS, VLAN ID, IP addresses, ports, Ethernet addresses, IP protocol, and EtherType
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 port(Power over Ethernet) 12 VDC via Access port Power should not be provided simultaneously on both ports	12 VDC on Access port

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)**
MP-10250-CPE	11.81x10.83x5.31 in (300x275x135 mm)	4.96x8.62x2.58 in (126x219x65.5 mm)	7.27 lbs (3.3 Kg)	2.10 lbs (0.950 kg)
MP-10200-CPA	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

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
RAILWAY	EN 50155 + EN 50121 + EN 61373

PACKAGE CONTENTS

- One Tsunami® MP-10250-CPE with integrated dual polarized antenna
  Or One Tsunami® MP-10200-CPA with two N-type connectors
- One power injector and country specific power cord
- One Connector weatherproofing kit (Includes all recommended weatherproofing material)
- One Wall / Pole mounting kit (MP-10250-CPE) Or One Pole mounting kit (MP-10200-CPA)
- One Grounding kit
- One Quick Installation Guide

MTBF & WARRANTY

>250 000 hours, 2-year warranty, ServPak Extended Support available.

Acerca de Nosotros :

Proxim Wireless es un líder global en soluciones avanzadas de WiFi y banda ancha inalámbrica que entregan comunicaciones de alta disponibilidad y desempeño.

Celebrando 40 años de soluciones inalámbricas innovadoras, Proxim es reconocido por su fiabilidad sin parangón, desempeño superior y su búsqueda de la innovación.

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