

Product Ordering Guide

Point to Point

Multipoint

Wi-Fi

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5 GHz Range Point to Point Series

Stratum X5

SX5-1040A-US
SX5-1042A-US

Quickbridge®
10200 Series

QB-10250-LKX-US

Edge Quickbridge®
Series

MP-1015-BS3-US
MP-1045-BS3-US

24 GHz Range

Quickbridge®
10100(L) Series

QB-10100L-LNK /
10150L-LNK-US
QB-10150-LKL-US

Quickbridge®
10100S

QB-10100S-LNK /
10150S-LNK-US

Tsunami®
GX-824

Tsunami® GX-824

5 GHz Range Point to Multipoint Series

Multipoint
10200 Series

MP-10250-BSX-US
MP-10250-SRX-US
MP-10250-CPE-US
MP-10200-CPA-US

Edge
Multipoint Series

MP-1015-BS3-US
MP-1045-BS3-US

Multipoint
10100(L) Series

MP-10100L-BSU-US
MP-10150L-BS9-US
MP-10150L-BS1-US
MP-10100L-SUA-US
MP-10150L-SUR-US
MP-10150-SUL-US

Multipoint
10100S Series

MP-10100S-BSU-US
MP-10150S-BS9-US
MP-10100S-SUA-US
MP-10150S-SUR-US

Cross Point
XP-10100 Series

XP-10150-BS1-US
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Wi-Fi Series

Wireless LAN with
ORiNOCO® Access Points

ORiNOCO® AP-9200R-US

ProximVision®
Advanced

ServPak

License Upgrade
Procedure

Calculator and
Quoting Tools

Common Applications

Key Technologies

Introduction

This product guide is prepared for our distributors and resellers and is intended to be used in conjunction with the quarterly price books. It is designed to help you quickly select products and related accessories. Throughout the document, there are links to useful information, including product datasheets, Proxim’s link calculation tools, tutorials, and technology guides.

The key to using this guidebook is to take advantage of the index page, which provides single-click hyperlinks to each of our products. Please take a few minutes to familiarize yourself with this guide, and we trust it will make the process of building a BOM easier and faster.



Link Calculator

Access the Proxim Link
Calculator Tools on-line



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Material on-line




Homepage


Visit The Proxim Website

Product Portfolio Overview

Point to Point



Stratum X5




Quickbridge®
QB-10200
QB-10100
QB 10100S Series



Quickbridge®
QB-10100(L) Series




Edge
1000 Series




Tsunami® GX-824


Point to Multipoint



Multipoint
MP-10200
MP-10100
MP-10100S Series

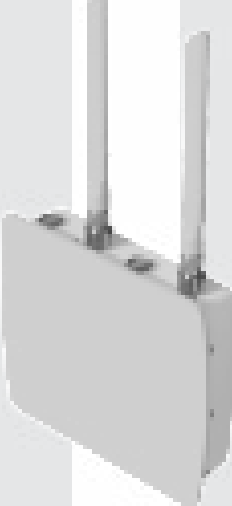


Multipoint
MP-10200




Edge
1000 Series

WiFi










Crosspoint®
XP-10100



ORINOCO®
AP-9200R








Products At-a-Glance: Point-to-Point

	Stratum™ X5	Quickbridge® 10250 BeamX Series	Quickbridge® 10100S Series	Quickbridge® 10100(L) Series	Edge 1045	Edge 1015	Tsunami® GX-824
							
Frequency Band (Subject to country regulations)	<ul style="list-style-type: none">5.150 – 5.850 GHz	<ul style="list-style-type: none">4.900 – 5.850 GHz	<ul style="list-style-type: none">4.900 – 5.925 GHz	<ul style="list-style-type: none">4.900 – 5.925 GHz	<ul style="list-style-type: none">4.900 – 5.925 GHz	<ul style="list-style-type: none">5.150 – 5.925 GHz	<ul style="list-style-type: none">24.000 to 24.250 GHz (FDD)
MIMO	<ul style="list-style-type: none">2x2:2 and 4x4:4	<ul style="list-style-type: none">2x2:2	<ul style="list-style-type: none">2x2:2	<ul style="list-style-type: none">2X2:2	<ul style="list-style-type: none">2x2:2	<ul style="list-style-type: none">2x2:2, 4x4:2 and 4x4:4	<ul style="list-style-type: none">Dual Polarity (one per direction)
Channel Size	<ul style="list-style-type: none">20, 40 and 80 MHz (80+80 and 160 MHz via future upgrade)	<ul style="list-style-type: none">80 MHz, 40 MHz and 20 MHz	<ul style="list-style-type: none">80 MHz, 40 MHz and 20 MHz	<ul style="list-style-type: none">QB-10150-LKL : 80 MHz, 40 MHz and 20 MHz channel bandwidthsQB-101x0L : 40 MHz and 20 MHz channel bandwidths with optional upgrade to 80 MHz	<ul style="list-style-type: none">5, 10, 20 and 40 MHz channel bandwidths	<ul style="list-style-type: none">20, 40, 80 MHz	<ul style="list-style-type: none">3.5 to 112 MHz
Throughput	<ul style="list-style-type: none">1581 Mbps (Quad Stream), 755 Mbps (Dual Stream) @ 80 MHz820 Mbps (Quad Stream), 435 Mbps (Dual Stream) @ 40 MHz442 Mbps (Quad Stream), 223 Mbps (Dual Stream) @ 20 MHz	<ul style="list-style-type: none">672 Mbps @ 80 MHz324 Mbps @ 40 MHz137 Mbps @ 20 MHz	<ul style="list-style-type: none">672 Mbps @ 80 MHz324 Mbps @ 40 MHz137 Mbps @ 20 MHz	<ul style="list-style-type: none">672 Mbps @ 80 MHz - with Optional Upgrade (QB-101x0L)672 Mbps @ 80 MHz (QB-10150-LKL)324 Mbps @ 40 MHz137 Mbps @ 20 MHz	<ul style="list-style-type: none">Up to 25 Mbps @ 5 MHzUp to 50 Mbps @ 10 MHzUp to 100 Mbps @ 20 MHzUp to 100 Mbps @ 40 MHz	<ul style="list-style-type: none">Up to 100 Mbps (license upgrade to 200 Mbps¹)	<ul style="list-style-type: none">900 Mbps full duplex (1800 Mbps true aggregate)
TX Power	<ul style="list-style-type: none">Up to 26 dBm (dual chain) or 29 dBm (quad chain)	<ul style="list-style-type: none">Up to 28 dBm (dual chain)	<ul style="list-style-type: none">Up to 28 dBm (dual chain)	<ul style="list-style-type: none">Upto 28 dBm (Dual chain)	<ul style="list-style-type: none">Up to 24 dBm (dual chain)	<ul style="list-style-type: none">Up to 24 dBm (dual chain) or Up to 27 dBm (quad chain)	<ul style="list-style-type: none">From -27 to +5 dBm
Antenna	<ul style="list-style-type: none">SX5-1040A : Four RP-SMA ConnectorsSX5-1042A : Integrated 4x4 MIMO 18 dBi Quad Polarized 19 degree Panel Antenna plus Four RP-SMA Connectors (Software switch between integrated antenna and connectors)	<ul style="list-style-type: none">Integrated 2x2 MIMO Beam Steering antenna:Beam Width - 17° spanning over ± 30° sectorReceive Gain - 16 dBi (11 dBi before 5.150 GHz)Transmit Gain - 20 dBi (11 dBi before 5.150 GHz)	<ul style="list-style-type: none">QB-10100S-EPA : Two N-type ConnectorsQB-10150S-EPR: Integrated 2x2 MIMO 22dBi Dual Polarized 1 foot Panel Antenna	<ul style="list-style-type: none">QB-10150-EPL: Integrated 2x2 MIMO 28dBi Dual Polarized 2 feet Panel AntennaQB-10100L-EPA : Two N-type ConnectorsQB-10150L-EPR: Integrated 2x2 MIMO 22dBi Dual Polarized 1 foot Panel Antenna	<ul style="list-style-type: none">Integrated 2x2 MIMO 15 dBi (12 dBi below 5 GHz) Dual Polarized 35 degree Panel Antenna plus two RP-SMA Connectors (Software switch between integrated antenna and connectors)	<ul style="list-style-type: none">Integrated 2x2 MIMO 15 dBi Dual Polarized 35 degree Panel Antenna plus Four RP-SMA Connectors (Software switch between integrated antenna and connectors)	<ul style="list-style-type: none">Integrated with the ODU (1, 2, 3 or 4 foot options)
Management	<ul style="list-style-type: none">Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced	<ul style="list-style-type: none">Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced	<ul style="list-style-type: none">Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced	<ul style="list-style-type: none">Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced	<ul style="list-style-type: none">Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced	<ul style="list-style-type: none">Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced, Proxim BlueConnect (android/iOS)	<ul style="list-style-type: none">Web GUI (basic IP/SNMP configuration), GX-824 Manager Program, ProximVision Advanced
Security	<ul style="list-style-type: none">AES - 128 bits, upgradeable to AES - 256 bitsSecure management (SSL/TLS, SSH, SNMPv3)Proprietary nature of RF protocol	<ul style="list-style-type: none">AES - 128 bits, upgradeable to AES - 256 bitsSecure management (SSL/TLS, SSH, SNMPv3)Proprietary nature of RF protocol	<ul style="list-style-type: none">AES 128 and AES 256Secure management (SSL/TLS, SSH, SNMPv3)Proprietary nature of RF protocol	<ul style="list-style-type: none">AES - 128 bitsSecure management (SSL/TLS, SSH, SNMPv3)Proprietary nature of RF protocol	<ul style="list-style-type: none">AES - 128 bitsSecure management (SSL/TLS, SSH, SNMPv3)Proprietary nature of RF protocol	<ul style="list-style-type: none">AES - 128 bitsSecure management (SSL/TLS, SSH, SNMPv3)Proprietary nature of RF protocol	<ul style="list-style-type: none">AES - 256 bits
Ethernet Ports	<ul style="list-style-type: none">One auto MDI-X RJ45 2.5 Gbps Ethernet with PoE inOne auto MDI-X RJ45 1 Gbps Ethernet with PoE outOne SFP+ cage for 10Gbps fiber module (SR or LR)	<ul style="list-style-type: none">Two auto MDI-X RJ45 10/100/1000Mbps Ethernet (Port #1 with PoE in & Data, Port #2 with PoE out & Data)	<ul style="list-style-type: none">Two auto MDI-X RJ45 10/100/1000Mbps Ethernet (Port #1 with PoE in & Data, Port #2 with PoE out & Data)	<ul style="list-style-type: none">Two auto MDI-X RJ45 10/100/1000Mbps Ethernet (Port #1 with PoE in & Data, Port #2 with PoE out & Data)	<ul style="list-style-type: none">One auto MDI-X RJ45 10/100/1000Mbps Ethernet with 802.3af/at PoE in	<ul style="list-style-type: none">One auto MDI-X RJ45 10/100/1000Mbps Ethernet with 802.3af/at PoE in	<ul style="list-style-type: none">Two Gigabit Ethernet 1000Base-T (RJ45) Auto MDIX ports with 10k jumbo frame supportOne Optic Fiber 1000Base-SX / 1000Base-LX / 1000Base-BX port
QoS		<ul style="list-style-type: none">Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	<ul style="list-style-type: none">Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	<ul style="list-style-type: none">Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	<ul style="list-style-type: none">Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	<ul style="list-style-type: none">Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	<ul style="list-style-type: none">4 queues based on physical port, 802.Ip tag or IP DiffServ
GPS Localization	<ul style="list-style-type: none">Requires optional GPS antenna	<ul style="list-style-type: none">Requires optional GPS module				<ul style="list-style-type: none">Included (Requires optional GPS antenna)	
Humidity - IP Rating	<ul style="list-style-type: none">100% relative humidity - IP67	<ul style="list-style-type: none">100% relative humidity - IP67	<ul style="list-style-type: none">100% relative humidity –IP67	<ul style="list-style-type: none">100% relative humidity - IP67	<ul style="list-style-type: none">100% relative humidity - IP67	<ul style="list-style-type: none">100% relative humidity - IP67	<ul style="list-style-type: none">100% relative humidity - IP65
Operating Temperature	<ul style="list-style-type: none">-40° to 140° Fahrenheit	<ul style="list-style-type: none">-40° to 140° Fahrenheit	<ul style="list-style-type: none">-40° to 140° Fahrenheit	<ul style="list-style-type: none">-40° to 140° Fahrenheit	<ul style="list-style-type: none">-22° to 131° Fahrenheit	<ul style="list-style-type: none">-22° to 131° Fahrenheit	<ul style="list-style-type: none">-31° to +131° Fahrenheit
Certifications	<ul style="list-style-type: none">USA: FCC part 15B class A (EMC), part 15C (Bluetooth) and part 15E (UNIIII & UNII 3 radio)Canada: ICES-003 issue 7:2020 class A (EMC), RSS-247 issue 3 & RSS GEN issue 5 (UNII 3 radio)Europe : EN 55032:2015+A1:2020 & EN 55035:2017+A11:2020 (EMC), RED (radio – pending) : EN 301 489-1 & EN 301 489-17 & EN 301 489-19 & EN 300 328 & EN 301 893 & EN 302 502 & EN 303 413UK : BS EN 55032:2015+A1:2020 & BS EN 55035:2017+A11:2020 (EMC), UKCA (radio – pending) : EN 301 489-1 & EN 301 489-17 & EN 301 489-19 & EN 300 328 & EN 301 893 & EN 302 502 + EN 303 413	<ul style="list-style-type: none">USA: FCC 90Y + 15E (UNII 15.247)Canada: IC RSS 102 + RSS 111 + RSS 247Europe: RED EN 301 489-1 + EN 301-489-17 + EN 301 893 + EN 302 502	<ul style="list-style-type: none">USA: FCC 90Y + 15C + 15E (UNII 15.247)Canada: IC RSS 102 + RSS 111 + RSS 247Europe: RED EN 301 489-1 + EN 301-489-17 + EN 300 328 + EN 301 893 + EN 302 502	<ul style="list-style-type: none">USA: FCC 90Y + 15E (UNII 15.247)Canada: IC RSS 102 + RSS 111 + RSS 247Europe: RED EN 301 489-1 + EN 301-489-17 + EN 301 893 + EN 302 502	<ul style="list-style-type: none">USA: FCC part 15B class B (EMC), part 15E (5.2 and 5.8 GHz radio) and part 90Y (4.9 GHz radio)	<ul style="list-style-type: none">USA: FCC 15B class B (EMC) + 15C (Bluetooth) + 15E (5 GHz radio)	<ul style="list-style-type: none">USA: FCC 15CCanada: RSS 210
Dimensions	<ul style="list-style-type: none">SX5-1040A: 9.84 x 8.66 x 2.44 inWeight: 3.53 lbsSX5-1042A: 14.60 x 14.60 x 3.82 inWeight: 6.61 lbs	<ul style="list-style-type: none">QB-10250-BeamX: Dimensions: 14 x 14 x 3.40 inWeight: 7.27 lbs	<ul style="list-style-type: none">QB-10100S-EPA: Dimensions: 9.84 x 8.66 x 2.83 inWeight: 4.20 lbsQB-10150S-EPR: Dimensions: 12 x 12 x 3.40 inWeight: 5.30 lbs	<ul style="list-style-type: none">QB-10150-EPL: Dimensions: 23.62 x 23.62 x 3.85 inWeight: 14.33 lbsQB-10100L-EPA: Dimensions: 9.84 x 8.66 x 2.83 inWeight: 4.20 lbsQB-10150L-EPR: Dimensions: 12 x 12 x 3.40 inWeight: 5.30 lbs	<ul style="list-style-type: none">Dimensions: 6.7 x 8.55 x 2.2 inWeight: 2.62 lbs	<ul style="list-style-type: none">Dimensions: 6.7 x 8.55 x 2.2 inWeight: 2.73 lbs	<ul style="list-style-type: none">Dimensions: 5.2 x 10 x 11.8 inWeight: 11.2 lbs
Product Models	<ul style="list-style-type: none">SX5-1040A-USSX5-1042A-US	<ul style="list-style-type: none">QB-10250-LKX-US	<ul style="list-style-type: none">QB-10100S-LNK-USQB-10150S-LNK-US	<ul style="list-style-type: none">QB-10150-LKL-USQB-10100L-LNK-USQB-10150L-LNK-US	<ul style="list-style-type: none">MP-1045-BS3-US (require 2 units per link)	<ul style="list-style-type: none">MP-1015-BS3-US (require 2 units per link)	<ul style="list-style-type: none">GX-824

1. 4x4 MIMO requires an external antenna and can be configured as 4x4:2 for redundancy or 4x4:4 for higher throughput with smaller channel.

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Products At-a-Glance: Point-to-Multipoint

	Multipoint 10250 BeamX Series	Multipoint 10100S Series	Multipoint 10100(L) Series	Multipoint 10200 CPE/CPA	Crosspoint 10100 Series	Edge 1045	Edge 1015
							
Frequency Band	<ul style="list-style-type: none">4.900 – 5.850 GHz	<ul style="list-style-type: none">4.900 – 5.850 GHz	<ul style="list-style-type: none">4.900 – 5.925 GHz	<ul style="list-style-type: none">4.900 – 5.925 GHz	<ul style="list-style-type: none">PtMP: 4.900 – 5.925 GHzAP: 2.400 – 2.484 GHz	<ul style="list-style-type: none">4.900 – 5.925 GHz	<ul style="list-style-type: none">5.150 – 5.925 GHz
MIMO	<ul style="list-style-type: none">2x2:2	<ul style="list-style-type: none">2x2:2	<ul style="list-style-type: none">2X2:2	<ul style="list-style-type: none">2X2:2	<ul style="list-style-type: none">2x2:2	<ul style="list-style-type: none">2x2:2	<ul style="list-style-type: none">2x2:2, 4x4:4 and 4x4:4
Channel Size	<ul style="list-style-type: none">80 MHz, 40 MHz and 20 MHz	<ul style="list-style-type: none">80 MHz, 40 MHz and 20 MHz	<ul style="list-style-type: none">MP-101x0L: 40 MHz and 20 MHz channel bandwidths with optional upgrade to 80 MHzMP-10150-SUL: 80 MHz, 40 MHz and 20 MHz channel bandwidths	<ul style="list-style-type: none">20 MHz and 40 MHz channel bandwidths, Upgradeable to 80 MHz	<ul style="list-style-type: none">PtMP: 80,40 and 20 MHz channel bandwidthsAP: 40 MHz and 20 MHz channel bandwidths	<ul style="list-style-type: none">5, 10, 20 and 40 MHz channel bandwidths	<ul style="list-style-type: none">20, 40, 80 MHz
Throughput	<ul style="list-style-type: none">Up to 672 Mbps @ 80 MHzUp to 324 Mbps @ 40 MHzUp to 137 Mbps @ 20 MHz	<ul style="list-style-type: none">Up to 672 Mbps @ 80 MHzUp to 324 Mbps @ 40 MHzUp to 137 Mbps @ 20 MHz	<ul style="list-style-type: none">672 Mbps @ 80 MHz - with Optional Upgrade (MP-101x0L)672 Mbps @ 80 MHz (MP-10150-SUL)324 Mbps @ 40 MHz137 Mbps @ 20 MHz	<ul style="list-style-type: none">672 Mbps @ 80 MHz (with Optional Upgrade)324 Mbps @ 40 MHz137 Mbps @ 20 MHz	<ul style="list-style-type: none">PtMP: Up to 672 Mbps @ 80 MHzAP: Up to 150 Mbps	<ul style="list-style-type: none">Up to 25 Mbps @ 5 MHzUp to 50 Mbps @ 10 MHzUp to 100 Mbps @ 20 MHzUp to 100 Mbps @ 40 MHz	<ul style="list-style-type: none">Up to 100 Mbps (license upgrade to 200 Mbps¹)
TX Power	<ul style="list-style-type: none">Up to 28 dBm (dual chain)	<ul style="list-style-type: none">Up to 28 dBm (dual chain)	<ul style="list-style-type: none">Up to 28 dBm (Dual chain)	<ul style="list-style-type: none">Up to 28 dBm (Dual chain)	<ul style="list-style-type: none">PtMP: 28 dbmAP: 26 dbm	<ul style="list-style-type: none">Up to 24 dBm (dual chain)	<ul style="list-style-type: none">Up to 24 dBm (dual chain) or Up to 27 dBm (quad chain)
Antenna	<ul style="list-style-type: none">Integrated 2x2 MIMO Beam Steering antenna:Beam Width - 17° spanning over ± 30° sectorReceive Gain - 16 dBi (11 dBi before 5.150 GHz)Transmit Gain - 20 dBi (11 dBi before 5.150 GHz)	<ul style="list-style-type: none">MP-10100S-BSU/SUA: Two N-type ConnectorsMP-10150S-BS9: Integrated 2x2 MIMO 16dBi Dual Polarized 90 degree Sector AntennaMP-10150S-SUR: Integrated 2x2 MIMO 22dBi Dual Polarized 1 foot Panel Antenna	<ul style="list-style-type: none">MP-10100L-BSU/SUA: Two N-type ConnectorsMP-10150L-BS9: Integrated 2x2 MIMO 16dBi Dual Polarized 90 degree Sector AntennaMP-10150L-BS1/SUR: Integrated 2x2 MIMO 22dBi Dual Polarized 1 foot Panel AntennaMP-10150-SUL: Integrated 2x2 MIMO 28dBi Dual Polarized 2 feet Panel Antenna	<ul style="list-style-type: none">MP-10200-CPA: Two N-type ConnectorsMP-10250-CPE: Integrated 15 dBi dual polarized (H+V), panel antenna (12 dBi before 5.000 GHz and 14 dBi beyond 5.850 GHz)	<ul style="list-style-type: none">Tsunami® XP-10100-SUA unit with four N-type connectorsTsunami® XP-10150-BS1/SUR unit with integrated 22 dBi panel antenna plus two N-type connectors	<ul style="list-style-type: none">Integrated 2x2 MIMO 15 dBi (12 dBi below 5 GHz) Dual Polarized 35 degree Panel Antenna plus two RP-SMA Connectors (Software switch between integrated antenna and connectors)	<ul style="list-style-type: none">Integrated 2x2 MIMO 15 dBi Dual Polarized 35 degree Panel Antenna plus Four RP-SMA Connectors (Software switch between integrated antenna and connectors)
Managemant	<ul style="list-style-type: none">Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced	<ul style="list-style-type: none">Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced	<ul style="list-style-type: none">Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced	<ul style="list-style-type: none">Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced	<ul style="list-style-type: none">Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced	<ul style="list-style-type: none">Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced	<ul style="list-style-type: none">Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced, Proxim BlueConnect (android/iOS)
Security	<ul style="list-style-type: none">AES - 128 bits, upgradeable to AES - 256 bitsSecure management (SSL/TLS, SSH, SNMPv3)Proprietary nature of RF protocol	<ul style="list-style-type: none">AES 128 and AES 256Secure management (SSL/TLS, SSH, SNMPv3)Proprietary nature of RF protocol	<ul style="list-style-type: none">AES - 128 bitsSecure management (SSL/TLS, SSH, SNMPv3)Proprietary nature of RF protocol	<ul style="list-style-type: none">AES - 128 bits, upgradeable to AES - 256 bitsSecure management (SSL/TLS, SSH, SNMPv3)Proprietary nature of RF protocol	<ul style="list-style-type: none">AES - 128 bitsSecure management (SSL/TLS, SSH, SNMPv3)Proprietary nature of RF protocol	<ul style="list-style-type: none">AES - 128 bitsSecure management (SSL/TLS, SSH, SNMPv3)Proprietary nature of RF protocol	<ul style="list-style-type: none">AES - 128 bitsSecure management (SSL/TLS, SSH, SNMPv3)Proprietary nature of RF protocol
Ethernet Ports	<ul style="list-style-type: none">Two auto MDI-X RJ45 10/100/1000Mbps Ethernet (Port #1 with PoE in & Data, Port #2 with PoE out & Data)	<ul style="list-style-type: none">Two auto MDI-X RJ45 10/100/1000Mbps Ethernet (Port #1 with PoE in & Data, Port #2 with PoE out & Data)	<ul style="list-style-type: none">Two auto MDI-X RJ45 10/100/1000Mbps Ethernet (Port #1 with PoE in & Data, Port #2 with PoE out & Data)	<ul style="list-style-type: none">One auto MDI-X RJ45 10/100/1000Mbps Ethernet with 802.3af/at PoE in & Data	<ul style="list-style-type: none">Two auto MDI-X RJ45 10/100/1000Mbps Ethernet (Port #1 with PoE in & Data, Port #2 with PoE out & Data)	<ul style="list-style-type: none">One auto MDI-X RJ45 10/100/1000Mbps Ethernet with 802.3af/at PoE in	<ul style="list-style-type: none">One auto MDI-X RJ45 10/100/1000Mbps Ethernet with 802.3af/at PoE in
QoS	<ul style="list-style-type: none">Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	<ul style="list-style-type: none">Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	<ul style="list-style-type: none">Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	<ul style="list-style-type: none">Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	<ul style="list-style-type: none">PtMP: Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rulesAP: WMM	<ul style="list-style-type: none">Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	<ul style="list-style-type: none">Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules
Mobility		<ul style="list-style-type: none">High speed roaming up to 185 mph	<ul style="list-style-type: none">High speed roaming up to 185 mph	<ul style="list-style-type: none">High speed roaming up to 185 mph (296 km/h)	<ul style="list-style-type: none">High speed roaming up to 185 mph	<ul style="list-style-type: none">High speed roaming up to 185 mph	<ul style="list-style-type: none">High speed roaming up to 185 mph
GPS Localization	<ul style="list-style-type: none">Requires optional GPS module			<ul style="list-style-type: none">Requires optional GPS module			<ul style="list-style-type: none">Included (Requires optional GPS antenna)
Humidity - IP Rating	<ul style="list-style-type: none">100% relative humidity - IP67	<ul style="list-style-type: none">100% relative humidity - IP67	<ul style="list-style-type: none">100% relative humidity - IP67	<ul style="list-style-type: none">100% relative humidity - IP67	<ul style="list-style-type: none">100% relative humidity - IP67	<ul style="list-style-type: none">100% relative humidity - IP67	<ul style="list-style-type: none">100% relative humidity - IP67
Operating Temperature	<ul style="list-style-type: none">-40° to 140° Fahrenheit	<ul style="list-style-type: none">-40° to 140° Fahrenheit	<ul style="list-style-type: none">-40° to 140° Fahrenheit	<ul style="list-style-type: none">-40° to 140° Fahrenheit	<ul style="list-style-type: none">-40° to 140° Fahrenheit	<ul style="list-style-type: none">-22° to 131° Fahrenheit	<ul style="list-style-type: none">-22° to 131° Fahrenheit
Certifications	<ul style="list-style-type: none">USA: FCC 90Y + 15E (UNII 15.247)Canada: IC RSS 102 + RSS 111 + RSS 247Europe: RED EN 301 489-1 + EN 301-489-17 + EN 301 893 + EN 302 502	<ul style="list-style-type: none">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	<ul style="list-style-type: none">USA: FCC 90Y + 15E (UNII 15.247)Canada: IC RSS 102 + RSS 111 + RSS 247Europe: RED EN 301 489-1 + EN 301-489-17 + EN 301 893 + EN 302 502Railway: EN 50155 + EN 50121 + EN 61373	<ul style="list-style-type: none">USA: FCC 90Y + 15E (UNII 15.247)Canada: IC RSS 102 + RSS 111 + RSS 247Europe: RED EN 301 489-1 + EN 301-489-17 + EN 301 893 + EN 302 502Railway: EN 50155 + EN 50121 + EN 61373	<ul style="list-style-type: none">USA: FCC 90Y + 15C + 15E (UNII 15.247)Canada: IC RSS 102 + RSS 111 + RSS 247Europe: RED EN 301 489-1 + EN 301-489-17 + EN 300 328 + EN 301 893 + EN 302 502Railway: EN 50155 + EN 50121 + EN 61373	<ul style="list-style-type: none">USA: FCC part 15B class B (EMC), part 15E (5.2 and 5.8 GHz radio) and part 90Y (4.9 GHz radio)	<ul style="list-style-type: none">USA: FCC 15B class B (EMC) + 15C (Bluetooth) + 15E (5 GHz radio)
Product Models	<ul style="list-style-type: none">MP-10250-BSX-USMP-10250-SRX-US	<ul style="list-style-type: none">MP-10100S-BSU-USMP-10150S-BS9-USMP-10100S-SUA-USMP-10150S-SUR-US	<ul style="list-style-type: none">MP-10100L-BSU-USMP-10150L-BS9-USMP-10150L-BS1-USMP-10100L-SUA-USMP-10150L-SUR-USMP-10150-SUL-US	<ul style="list-style-type: none">MP-10250-CPE-USMP-10200-CPA-US	<ul style="list-style-type: none">XP-10150-BS1-USXP-10100-SUA-USXP-10150-SUR-US	<ul style="list-style-type: none">MP-1045-BS3-US	<ul style="list-style-type: none">MP-1015-BS3-US

1. 4x4 MIMO requires an external antenna and can be configured as 4x4:2 for redundancy or 4x4:4 for higher throughput with smaller channel.

SX5-1040A-US

Point to Point Radio with up to 1.58Gbps Throughput



DataSheet +

Highlights

- ◆ Antenna flexibility
Model SX5-1040A is a connectorized unit purpose build for external quad polarity antennas where specific antenna patterns or gain adjustments are needed.
- ◆ ClearConnect™
- ◆ Compact size IP 67 Outdoor (Telco class)
- ◆ Up to 26 dBm (dual chain) or 29 dBm (quad chain) TX power
- ◆ Throughput
1581 Mbps (Quad Stream), 755 Mbps (Dual Stream) @ 80 MHz
820 Mbps (Quad Stream), 435 Mbps (Dual Stream) @ 40 MHz
442 Mbps (Quad Stream), 223 Mbps (Dual Stream) @ 20 MHz
- ◆ 2.5 Gbps Ethernet port with 802.3af/at/bt PoE in
1 Gbps Ethernet port with PoE out
- ◆ Frequencies: 5.150 – 5.850 GHz
- ◆ Bluetooth low energy radio for configuration (IOS/Android)
- ◆ GPS module for device localization
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 years warranty MTBF 450 000 hours
- ◆ Operating temperature -40° to 140° Fahrenheit

Included in the Kit

- ◆ 1 Stratum SX5-1040A unit with 4 RP-SMA connectors
- ◆ 3 (SX5-1040A) RP-SMA weather proofing caps
- ◆ 2 M25 weather proofing cable glands
- ◆ 1 Gigabit Power injectors and country specific power cords
- ◆ 1 Full axis mounting kits
- ◆ 1 Grounding kits
- ◆ 1 Quick Installation Guides

Recommended Accessories

- ◆ 4.9 - 5.875 GHz, Dual Polarity, Slanted ($\pm 45^\circ$) or V/H, 23 dBi Panel Antenna. (PA5-0823-DP)
one antenna at each end for MIMO 2x2 mode
two antennas at each end for MIMO 4x4 mode
Each Antenna requires 2 Cables (CBL-240-6-RA)
- ◆ 4.9 - 6.1 GHz, Dual Polarity, Vertical and Horizontal, 30 dBi Panel Antenna. (PA5-0530-DP)
one antenna at each end for MIMO 2x2 mode
two antennas at each end for MIMO 4x4 mode
Each Antenna requires 2 Cables (CBL-240-6-RA)
- ◆ 4.9-6.4GHz, Quad Polarity, Vertical /Horizontal/Dual Slant, 19 dBi Panel Antenna - 19 degrees. Mounting kit Incl. (PA5-1919-QP)
one antenna at each end for MIMO 4x4 mode
- ◆ 4x Surge arrestor POE (ETH-SURGE-1G or ETH-SURGE-10G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)
- ◆ Passive GPS Antenna (GPS-Antenna-10)
- ◆ 60 Watt 2.5/5 Gigabit PoE injector (ETH-POEINJ60-2.5/5G)
- ◆ 10GBase-LR SFP+ module (SFP-10G-LRT-CAP)
- ◆ 10GBase-SR SFP+ module (SFP-10G-SRT-CAP)

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SX5-1042A-US

Point to Point Radio with up to 1.58Gbps Throughput



DataSheet +

Highlights

- ◆ Antenna flexibility
The SX5-1042A is a flexible variant that includes an integrated quad polarity panel antenna, plus software selectable connectors for external antennas.
- ◆ ClearConnect™
- ◆ Compact size IP 67 Outdoor (Telco class)
- ◆ Up to 26 dBm (dual chain) or 29 dBm (quad chain) TX power
- ◆ Throughput
1581 Mbps (Quad Stream), 755 Mbps (Dual Stream) @ 80 MHz
820 Mbps (Quad Stream), 435 Mbps (Dual Stream) @ 40 MHz
442 Mbps (Quad Stream), 223 Mbps (Dual Stream) @ 20 MHz
- ◆ 2.5 Gbps Ethernet port with 802.3af/at/bt PoE in
1 Gbps Ethernet port with PoE out
- ◆ SFP+ cage for 10 Gbps fiber module (SR or LR)
- ◆ Frequencies: 5.150 – 5.850 GHz
- ◆ Bluetooth low energy radio for configuration (IOS/Android)
- ◆ GPS module for device localization
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 years warranty MTBF 450 000 hours
- ◆ Operating temperature -40° to 140° Fahrenheit

Included in the Kit

- ◆ 1 SX5-1042A with integrated antenna plus 4 RP-SMA connectors
- ◆ 5 (SX5-1042A) RP-SMA weather proofing caps
- ◆ 2 M25 weather proofing cable glands
- ◆ 1 Gigabit Power injectors and country specific power cords
- ◆ 1 Full axis mounting kits
- ◆ 1 Grounding kits
- ◆ 1 Quick Installation Guides

Recommended Accessories

If External antennas required

- ◆ 4.9 - 5.875 GHz, Dual Polarity, Slanted (±45°) or V/H, 23 dBi Panel
one antenna at each end for MIMO 2x2 mode
two antennas at each end for MIMO 4x4 mode
Each Antenna requires 2 Cables (CBL-240-6-RA)
- ◆ 4.9 - 6.1 GHz, Dual Polarity, Vertical and Horizontal, 30 dBi Panel Antenna. (PA5-0530-DP)
one antenna at each end for MIMO 2x2 mode
two antennas at each end for MIMO 4x4 mode
Each Antenna requires 2 Cables (CBL-240-6-RA)
- ◆ 4x Surge arrestor POE (ETH-SURGE-1G or ETH-SURGE-10G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)
- ◆ Passive GPS Antenna (GPS-Antenna-10)
- ◆ 60 Watt 2.5/5 Gigabit PoE injector (ETH-POEINJ60-2.5/5G)
- ◆ 10GBase-LR SFP+ module (SFP-10G-LRT-CAP)
- ◆ 10GBase-SR SFP+ module (SFP-10G-SRT-CAP)

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MP-1015-BS3-US

The Most Versatile Small Wireless
Broadband Solution



DataSheet +

Intro

Proxim's Edge 1015 is the most versatile small wireless broadband solution available.

One device, multiple uses; whether you need a Point to Point endpoint*, Multipoint CPE, or MultiPoint Base Station¹, the Edge 1015 fits the bill.

- ◆ Wide Band 5 GHz Radio
- ◆ 4x4 MIMO radio delivering up to 200 Mbps²
- ◆ Advanced QoS for quad-play applications
- ◆ AES 128 encryption and Radius authentication
- ◆ WORP® protocol / FastConnect™ / ClearConnect™
- ◆ Compact size IP 67 Outdoor (Telco class)
- ◆ High power radio 24dBm-27dBm TX power
- ◆ Up to 32 clients per base¹
- ◆ Gigabit Ethernet port, 802.3af/at PoE
- ◆ Frequencies: 5.150-5.925GHz
- ◆ Bluetooth low energy radio for configuration (IOS/Android)
- ◆ GPS module for device localization
- ◆ 2 years warranty MTBF 250 000 hours

Included in the Kit

- ◆ 1 unit with integrated antennas (15 dBi)
- ◆ 1 M25 weather proofing cable glands
- ◆ 1 power injectors and country specific power cord
- ◆ 1 Full axis mounting kit
- ◆ 1 Grounding kit
- ◆ 5xSMA weather proofing caps
- ◆ 1 Quick Installation Guide

Recommended Accessories

- ◆ If external antennas required
- ◆ 4.9-6GHz, Dual Polarity,Vertical /Horizontal,16.5 dBi Sector Antenna - 60 degrees. Mounting kit Incl. (SA5-6015-DP)
Each Antenna requires 2 Cables (CBL-240-6-RA)
- ◆ 4.9-5.95GHz, Dual Polarity,Vertical and Horizontal, 14dBi Sector Antenna- 90 degrees. Mounting kit Incl. (SA5-9014-DP)
Each Antenna requires 2 Cables (CBL-240-6-RA)
- ◆ 4.9-6.4GHz, Quad Polarity, Vertical /Horizontal/Dual Slant, 19 dBi Panel Antenna - 19 degrees. Mounting kit Incl. (PA5-1919-QP)
Each Antenna requires 4 Cables (CBL-240-6-RA)
- ◆ 1x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)
- ◆ Passive GPS Antenna (GPS-Antenna-10)

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Enhanced Investment Protection

- ◆ Level 1 (Plus or Prime)

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* Two units are required for a PTP link

1. Full MultiPoint BaseStation Functionality requires the MP-1015-BSU-32SU-UPG upgrade license.

2. 4x4 MIMO requires an external antenna and can be configured as 4x4:2 for redundancy or 4x4:4 for higher throughput with smaller channel.

MP-1045-BS3-US

The Most Versatile Small Wireless
Broadband Solution



DataSheet +

Intro

Proxim's Edge 1045 is a versatile small wireless broadband solution designed for public safety, ITS, and smart-city applications.

Offering the same multi-use versatility as the Edge 1015, the Edge 1045 provides the added flexibility of operation in the 4.9 GHz Public Safety and 5.2 & 5.8 GHz UNII bands. It also supports 5, 10, 20, and 40 MHz channel sizes for operation in noisy environments.

- ◆ Wide Band 4.9 and 5 GHz Radio
- ◆ 2x2 MIMO radio delivering up to 100 Mbps
- ◆ Advanced QoS for quad-play applications
- ◆ AES 128 encryption and Radius authentication
- ◆ 5, 10, 20, and 40 MHz channels.
- ◆ WORP® protocol / FastConnect™ / ClearConnect™
- ◆ Compact size IP 67 Outdoor (Telco class)
- ◆ High power radio 24 dBm
- ◆ Up to 32 clients per base¹
- ◆ Gigabit Ethernet port, 802.3af/at PoE
- ◆ Frequencies: 4.900 – 5.925 GHz
- ◆ 2 years warranty MTBF 250 000 hours

Included in the Kit

- ◆ 1 Unit with integrated antennas - 15 dBi (12 dBi below 5.000 GHz)
- ◆ 1 M25 weather proofing cable gland
- ◆ 1 Wall mounted power injector with US plug
- ◆ 1 Pair of hose clamps
- ◆ 1 Grounding kit
- ◆ 2 SMA weather proofing caps
- ◆ 1 Quick Installation Guide

Recommended Accessories

- ◆ If external antennas required
- ◆ 4.9-6GHz, Dual Polarity,Vertical /Horizontal,16.5 dBi Sector Antenna - 60 degrees. Mounting kit Incl. (SA5-6015-DP)
Each Antenna requires 2 Cables (CBL-240-6-RA)
- ◆ 4.9-5.95GHz, Dual Polarity,Vertical and Horizontal, 14dBi Sector Antenna- 90 degrees. Mounting kit Incl. (SA5-9014-DP)
Each Antenna requires 2 Cables (CBL-240-6-RA)
- ◆ 1x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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1. Full MultiPoint BaseStation Functionality requires the MP-1045-BS3-32SU-UPG upgrade license.

QB-10100L-LNK / 10150L-LNK-US

Very high capacity / Point to Point Backhaul

[DataSheet +](#)

Highlights

- ◆ Protocol WORP® / ClearConnect™
- ◆ Backhaul Data rate 400 Mbps
 - License upgradeable to 867 Mbps
 - Max net UDP throughput 672Mbps @ 80 MHz
 - Max net UDP throughput 324 Mbps @ 40 MHz
 - Max net UDP throughput 137 Mbps @ 20 MHz
- ◆ Frequency range 4.9-5.925GHz
- ◆ IP67 weather proofed enclosure
- ◆ Dual Gigabit Ethernet port with PoE in and out (SW controlled)
- ◆ One Access port with 12 VDC power
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ MTBF 250000 hours, 2 years warranty
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ 2 units QB-10100L-EPA-WD with two N-type connectors or 2 QB-10150L-EPR-WD with integrated 22 dBi dual polarized antenna
- ◆ 2 Grounding kit
- ◆ 2 Antenna alignment (RJ11) dongle
- ◆ 2 Power injector and country specific power cord
- ◆ Quick Install Guide
- ◆ 2 Connector weatherproofing kits
- ◆ 2 Full axis Wall / Pole mounting kits

Recommended Accessories

- ◆ 4xSurge arrestor PoE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)
- ◆ For QB 10100L-LNK:
 - ◆ 4.9 - 5.875 GHz, Dual Polarity, Slanted ($\pm 45^\circ$) or V/H, 23 dBi Panel Antenna (PA5-0823-DP)
 - Each Antenna requires 2 Cables (CBL-600-6-RA)
 - ◆ 4.9 - 6.1 GHz, Dual Polarity, Vertical and Horizontal, 30 dBi Panel Antenna (PA5-0530-DP)
 - Each Antenna requires 2 Cables (CBL-600-6-RA)

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Enhanced Investment Protection

- ◆ Level 2 (Plus or Prime)

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QB-10150-LKL-US

Very high capacity / long distance
Point to Point Backhaul

[DataSheet +](#)

Highlights

- ◆ Protocol WORP® / ClearConnect™
- ◆ Backhaul Data rate 867 Mbps
 - Max net UDP throughput 672 Mbps @ 80 MHz
 - Max net UDP throughput 324 Mbps @ 40 MHz
 - Max net UDP throughput 137 Mbps @ 20 MHz
- ◆ IP67 weather proofed enclosure
- ◆ Dual Gigabit Ethernet port with PoE in and out (SW controlled)
- ◆ One Access port with 12 VDC power
- ◆ Frequency range 4.9-5.925GHz
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ MTBF 250000 hours, 2 years warranty
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ 2 QB-10150-EPL-WD with integrated 28 dBi antenna
- ◆ 2 Grounding kit
- ◆ 2 Antenna alignment (RJ11) dongle
- ◆ 2 Power injector and country specific power cord
- ◆ Quick Install Guide
- ◆ 2 Connector weatherproofing kits
- ◆ 2 Full axis Wall / Pole mounting kits

Recommended Accessories

- ◆ 4xSurge arrestor PoE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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- ◆ Level 2 (Plus or Prime)

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QB-10250-LKX-US

Very high capacity easy to install
Point to Point Backhaul



DataSheet +

Highlights

- ◆ WORP® protocol / ClearConnect™ / SmartConnect™
- ◆ 20 dBi Tx / 16 dBi Rx BeamX antenna
- ◆ IP67 weather proofed enclosure
- ◆ Backhaul Data rate 867 Mbps
 - Max net UDP throughput 672 Mbps @ 80 MHz
 - Max net UDP throughput 324 Mbps @ 40 MHz
 - Max net UDP throughput 137 Mbps @ 20 MHz
- ◆ AES 128 (license upgradeable to AES 256)
- ◆ Dual Gigabit Ethernet port with PoE in and out (SW controlled)
- ◆ One Access port with 12 VDC power
- ◆ Frequency range 4.9-5.925GHz
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ MTBF 250000 hours, 2 years warranty
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ 2 QB-10250-EPX-US with integrated BeamX antenna
- ◆ 2 Grounding kit
- ◆ 2 Power injector and country specific power cord
- ◆ Quick Install Guide
- ◆ 2 Connector weatherproofing kits
- ◆ 2 Full axis Wall / Pole mounting kits

Recommended Accessories

- ◆ 4xSurge arrestor PoE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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- ◆ Level 2 (Plus or Prime)

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QB-10100S-LNK / 10150S-LNK-US Series

Extremely Secure Point-to-Point Wireless
Bridge Bundle (Available in the USA only)



DataSheet +

Highlights

- ◆ Protocol WORP® / ClearConnect™
- ◆ Backhaul Data rate 867 Mbps
 - Max net UDP throughput 672 Mbps @ 80 MHz
 - Max net UDP throughput 324 Mbps @ 40 MHz
 - Max net UDP throughput 137 Mbps @ 20 MHz
- ◆ AES 256 Encryption
- ◆ IP67 weather proofed enclosure
- ◆ Dual Gigabit Ethernet port with PoE in and out (SW controlled)
- ◆ One Access port with 12 VDC power
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ Frequency range: 4.9-5.925GHz
- ◆ 2 year warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One QB-10100S-LNK with two N-type connectors (Two QB-10100S-EPA) Or One 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

Recommended Accessories

- ◆ 4xSurge arrestor PoE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)
- ◆ For QB 10100S:
 - 4.9 - 5.875 GHz, Dual Polarity, Slanted ($\pm 45^\circ$) or V/H, 23 dBi Panel Antenna. (PA5-0823-DP)
 - Each Antenna requires 2 Cables (CBL-600-6-RA)
 - 4.9 - 6.1 GHz, Dual Polarity, Vertical and Horizontal, 30 dBi Panel Antenna. (PA5-0530-DP)
 - Each Antenna requires 2 Cables (CBL-600-6-RA)

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Extended Service, Support & Warranties for
Enhanced Investment Protection

- ◆ Level 2 (Plus or Prime)

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Tsunami® GX-824

Carrier Grade 24 GHz Unlicensed
Microwave Backhaul



DataSheet +

Highlights

- ◆ Tsunami® GX-824 is an unlicensed microwave PtP link
- ◆ Operates in the 24.000 – 24.250 GHz band
- ◆ Protocol : Proprietary PtP
- ◆ Direct mount antenna: 30, 60, 90 or 120 cm (1, 2, 3 or 4 foot)
- ◆ Channel Size : 5 to 112 MHz
5 to 80 MHz in the USA and Canada
- ◆ Modulation : QPSK to QAM1024
- ◆ TX power : Up to 5 dBm
- ◆ Throughput: 920Mbps Full duplex
660 Mbps Full duplex in the USA and Canada
- ◆ Latency : < 90 µs
- ◆ standard 1+0, hot standby 1+1 and aggregated 2+0 modes of operation
- ◆ Full outdoor solution
- ◆ 2 gigabit with PoE + 1 x fiber
(SM or MM to be selected upon ordering)
- ◆ 1 RSL BNC for alignment purpose
- ◆ AES 256 encryption

Included in the Kit

- ◆ Two Tsunami® GX-824 ODU
- ◆ Two antennas
- ◆ Two Mounting Kits
- ◆ One Quick Installation Guide

Recommended Accessories

- ◆ 2x Power Supply 110/240 VAC to 48 VDC (GX-824-PSU-ACDC)
- ◆ 2x Power over Ethernet (PoE) injector (GX-824-POEINJ)
Rack mounting kit for PoE injector (GX-824-RACK)
Spare box for rack mounting kit (GX-824-BOX)
- ◆ Ethernet cables Cat7 + Cat5e (6 pairs) STP 25, 50 or 75m
(GX-824-ETH-25, GX-824-ETH-50, GX-824-ETH-75)
- ◆ Fiber weatherproofing cap (GX-824-CAP-SM or GX-824-CAP-MM)

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MP-10100L-BSU-US

Base Station Unit with Type - N connectors



DataSheet +

Highlights

- ◆ WORP® protocol / FastConnect™ / ClearConnect™
- ◆ Radio 28dBm Tx power
- ◆ IP 67 Outdoor (Telco class)
- ◆ 400Mbps data rate (Max net throughput 324 Mbps)
License upgradeable to 867 Mbps (Max net throughput 672 Mbps)
- ◆ 2 x Gigabit Ethernet and 1 x access port
- ◆ One Access port with 12 VDC power
- ◆ Frequency range: 4.9- 5.925GHz
- ◆ Base station supports up to 250 subscribers /CPE
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 year warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One MP-10100L-BSU with two N-type connectors
- ◆ One power injector and country specific power cord
- ◆ One connector weatherproofing kit
- ◆ One full axis wall / pole mounting kit
- ◆ One antenna alignment (RJ11) dongle
- ◆ One grounding kit
- ◆ One quick installation guide

Recommended Accessories

- ◆ 4.9-6GHz, Dual Polarity,Vertical /Horizontal,16.5 dBi Sector Antenna - 60 degrees. Mounting kit Incl. (SA5-6015-DP)
Each Antenna requires 2 Cables (CBL-600-6-RA)
- ◆ 4.9-5.95GHz, Dual Polarity,Vertical and Horizontal, 14dBi Sector Antenna- 90 degrees. Mounting kit Incl. (SA5-9014-DP)
Each Antenna requires 2 Cables (CBL-600-6-RA)
- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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MP-10150L-BS9-US

Base Station Unit with Integrated
90 Degree Antenna



DataSheet +

Highlights

- ◆ WORP® protocol / FastConnect™ / ClearConnect™
- ◆ 90° sector antenna / Radio 28dBm TX power
- ◆ IP 67 Outdoor (Telco class)
- ◆ 400Mbps data rate (Max net throughput 324 Mbps)
License upgradeable to 867 Mbps
Max net throughput 672 Mbps
- ◆ 2 x Gigabit Ethernet and 1 x access port
- ◆ One Access port with 12 VDC power
- ◆ Frequency range: 4.9- 5.925GHz
- ◆ Base station supports up to 250 subscribers /CPE
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 years warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One MP-10150L-BS9 with integrated dual polarized antenna
- ◆ One power injector and country specific power cord
- ◆ One Connector weatherproofing kit
- ◆ One full axis Wall / Pole mounting kit
- ◆ One Antenna alignment (RJ11) dongle
- ◆ One Grounding kit
- ◆ One Quick Installation Guide

Recommended Accessories

- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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MP-10150L-BS1-US

Base Station Unit with
Integrated Panel Antenna



DataSheet +

Highlights

- ◆ WORP® protocol / FastConnect™ / ClearConnect™
- ◆ 22 dBi panel antenna / Radio 28dBm TX power
- ◆ IP 67 Outdoor (Telco class)
- ◆ 400Mbps data rate (Max net throughput 324 Mbps)
License upgradeable to 867 Mbps
(Max net throughput 672 Mbps)
- ◆ 2 x Gigabit Ethernet and 1 x access port
- ◆ One Access port with 12 VDC power
- ◆ Frequency range: 4.9- 5.925GHz
- ◆ Base station supports up to 250 subscribers /CPE
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 years warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One MP-10150L-BS1 with integrated dual polarized antenna
- ◆ One power injector and country specific power cord
- ◆ One Connector weatherproofing kit
- ◆ One full axis Wall / Pole mounting kit
- ◆ One Antenna alignment (RJ11) dongle
- ◆ One Grounding kit
- ◆ One Quick Installation Guide

Recommended Accessories

- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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MP-10100L-SUA-US

Subscriber Unit with Type-N connectors



DataSheet +

Highlights

- ◆ WORP® protocol / FastConnect™ / ClearConnect™
- ◆ Radio 28dBm TX power
- ◆ IP 67 Outdoor (Telco class)
- ◆ 400Mbps data rate (Max net throughput 324 Mbps)
License upgradeable to 867 Mbps
(Max net throughput 672 Mbps)
- ◆ 2 x Gigabit Ethernet and 1 x access port
- ◆ One Access port with 12 VDC power
- ◆ Frequency range: 4.9- 5.925GHz
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 years warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One MP-10100L SUA with two N-type connectors
- ◆ One power injector and country specific power cord
- ◆ One Connector weatherproofing kit
- ◆ One full axis Wall / Pole mounting kit
- ◆ One Antenna alignment (RJ11) dongle
- ◆ One Grounding kit
- ◆ One Quick Installation Guide

Recommended Accessories

- ◆ 4.9 - 5.875 GHz, Dual Polarity, Slanted (±45°) or V/H, 23 dBi Panel Antenna. (PA5-0823-DP)
Each Antenna requires 2 Cables (CBL-600-6-RA)
- ◆ 4.9 - 6.1 GHz, Dual Polarity, Vertical and Horizontal, 30 dBi Panel Antenna. (PA5-0530-DP)
Each Antenna requires 2 Cables (CBL-600-6-RA)
- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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MP-10150L-SUR-US

Subscriber Unit with Integrated Panel Antenna



DataSheet +

Highlights

- ◆ WORP® protocol / FastConnect™ / ClearConnect™
- ◆ 22 dBi Panel Antenna
- ◆ Radio 28dBm TX power
- ◆ IP 67 Outdoor (Telco class)
- ◆ 400Mbps data rate (Max net throughput 324 Mbps)

License upgradeable to 867 Mbps
(Max net throughput 672 Mbps)
- ◆ 2 x Gigabit Ethernet and 1 x access port
- ◆ One Access port with 12 VDC power
- ◆ Frequency range: 4.9- 5.925GHz
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 years warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One MP-10100L SUR with integrated dual polarized antenna
- ◆ One power injector and country specific power cord
- ◆ One Connector weatherproofing kit
- ◆ One full axis Wall / Pole mounting kit
- ◆ One Antenna alignment (RJ11) dongle
- ◆ One Grounding kit
- ◆ One Quick Installation Guide

Recommended Accessories

- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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MP-10150-SUL-US

Subscriber Unit with Integrated
Panel Antenna [Long Range]



DataSheet +

Highlights

- ◆ WORP® protocol / FastConnect™ / ClearConnect™
- ◆ 28 dBi Panel Antenna
- ◆ Radio 28dBm TX power
- ◆ IP 67 Outdoor (Telco class)
- ◆ 867Mbps data rate (Max net throughput 672 Mbps)
- ◆ 2 x Gigabit Ethernet and 1 x access port
- ◆ One Access port with 12 VDC power
- ◆ Frequency range: 4.9- 5.925GHz
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 years warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One MP-10100 SUL with integrated dual polarized antenna
- ◆ One power injector and country specific power cord
- ◆ One Connector weatherproofing kit
- ◆ One full axis Wall / Pole mounting kit
- ◆ One Antenna alignment (RJ11) dongle
- ◆ One Grounding kit
- ◆ One Quick Installation Guide

Recommended Accessories

- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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MP-10250-BSX-US

Base Station Unit with Integrated BeamX antenna and SmartScan radio

[DataSheet +](#)

Highlights

- ◆ WORP® protocol / ClearConnect™ / SmartConnect™
- ◆ 20 dBi Tx / 16 dBi Rx BeamX antenna
- ◆ Radio 28dBm TX power + Smart Scan radio
- ◆ IP 67 Outdoor (Telco class)
- ◆ 867Mbps data rate (Max net throughput 672Mbps)
- ◆ AES 128 (license upgradeable to AES 256)
- ◆ 2 x Gigabit Ethernet and 1 x access port
- ◆ One Access port with 12 VDC power and GPS positioning support
- ◆ Frequency range: 4.9- 5.925GHz
- ◆ Base station supports up to 250 subscribers /CPE
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 years warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One MP-10250-BSX with integrated BeamX antenna
- ◆ One power injector and country specific power cord
- ◆ One Connector weatherproofing kit
- ◆ One full axis Wall / Pole mounting kit
- ◆ One Grounding kit
- ◆ One Quick Installation Guide

Recommended Accessories

- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Option : GPS-POSITION-KIT : Real time tracking
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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MP-10250-SRX-US

Subscriber Unit with Integrated BeamX antenna and SmartScan radio

[DataSheet +](#)

Highlights

- ◆ WORP® protocol / ClearConnect™ / SmartConnect™
- ◆ 20 dBi Tx / 16 dBi Rx BeamX antenna
- ◆ Radio 28dBm TX power + Smart Scan radio
- ◆ IP 67 Outdoor (Telco class)
- ◆ 867Mbps data rate (Max net throughput 672Mbps)
- ◆ AES 128 (license upgradeable to AES 256)
- ◆ 2 x Gigabit Ethernet and 1 x access port
- ◆ One Access port with 12 VDC power and GPS positioning support
- ◆ Frequency range: 4.9- 5.925GHz
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 years warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One MP-10250-SRX with integrated BeamX antenna
- ◆ One power injector and country specific power cord
- ◆ One Connector weatherproofing kit
- ◆ One full axis Wall / Pole mounting kit
- ◆ One Grounding kit
- ◆ One Quick Installation Guide

Recommended Accessories

- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Option : GPS-POSITION-KIT : Real time tracking
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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MP-10250-CPE-US

Customer Premise Unit with
Integrated Panel Antenna



DataSheet +

Highlights

- ◆ 15 dBi integrated Panel Antenna
- ◆ 28dBm Tx power
- ◆ IP 67 Grade Enclosure
- ◆ WORP® protocol / FastConnect™ / ClearConnect™
- ◆ 400Mbps data rate (Max net throughput 324 Mbps)
License upgradeable to 867 Mbps
- ◆ AES 128 (license upgradeable to AES 256)
- ◆ One Ethernet port PoE in & Data
- ◆ One Access port with 12 VDC power and GPS positioning support
- ◆ Frequency range: 4.9-5.925GHz
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 year warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One MP-10250 CPE with 16 dBi integrated dual polarized antenna
- ◆ One power injector and country specific power cord
- ◆ One connector weatherproofing kit
- ◆ One full axis wall / pole mounting kit
- ◆ One grounding kit
- ◆ One quick installation guide

Recommended Accessories

- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Option : GPS-POSITION-KIT : Real time tracking
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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MP-10200-CPA-US

Customer Premise Unit Connectorized



DataSheet +

Highlights

- ◆ 28dBm Tx power
- ◆ IP 67 Grade Enclosure
- ◆ WORP® protocol / FastConnect™ / ClearConnect™
- ◆ 400Mbps data rate (Max net throughput 324 Mbps)
License upgradeable to 867 Mbps
- ◆ AES 128 (license upgradeable to AES 256)
- ◆ One Ethernet port PoE in & Data
- ◆ One Access port with 12 VDC power and GPS positioning support
- ◆ Frequency range: 4.9-5.925GHz
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 year warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One MP-10200 CPA with two N-type connectors
- ◆ One power injector and country specific power cord
- ◆ One connector weatherproofing kit
- ◆ One pole mounting kit
- ◆ One grounding kit
- ◆ One quick installation guide

Recommended Accessories

- ◆ 4.9 - 5.875 GHz, Dual Polarity, Slanted (±45°) or V/H, 23 dBi Panel Antenna. (PA5-0823-DP)
Each Antenna requires 2 Cables (CBL-600-6-RA)
- ◆ 4.9 - 6.1 GHz, Dual Polarity, Vertical and Horizontal, 30 dBi Panel Antenna. (PA5-0530-DP)
Each Antenna requires 2 Cables (CBL-600-6-RA)
- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Option : 10000-UMK : Full axis mounting kit
- ◆ Option : GPS-POSITION-KIT : Real time tracking
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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MP-10100S-BSU-US

Extremely Secure
Point-to-Multipoint Wireless Solution

[DataSheet +](#)

Highlights

- ◆ WORP® protocol / FastConnect™ / ClearConnect™
- ◆ Radio 28dBm TX power
- ◆ IP 67 Outdoor (Telco class)
- ◆ 867Mbps data rate (Max net throughput 672Mbps)
- ◆ AES 256 Encryption
- ◆ 2 x Gigabit Ethernet and 1 x access port
- ◆ Frequency range: 4.9- 5.925GHz
- ◆ Base station supports up to 250 subscribers /CPE's
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 years warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One Tsunami® MP-10100S-BSU with two N-type connectors
- ◆ One power injector and country specific power cord
- ◆ One connector weatherproofing kit
- ◆ One wall / pole mounting kit
- ◆ One antenna alignment (RJ11) dongle
- ◆ One grounding kit
- ◆ One quick installation guide

Recommended Accessories

- ◆ 4.9-6GHz, Dual Polarity,Vertical /Horizontal,16.5 dBi Sector Antenna - 60 degrees. Mounting kit Incl. (SA5-6015-DP)
Each Antenna requires 2 Cables (CBL-600-6-RA)
- ◆ 4.9-5.95GHz, Dual Polarity,Vertical and Horizontal, 14dBi Sector Antenna- 90 degrees. Mounting kit Incl. (SA5-9014-DP)
Each Antenna requires 2 Cables (CBL-600-6-RA)
- ◆ 2 x antenna cables (CBL-600-6-RA)
- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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MP-10150S-BS9-US

Extremely Secure
Point-to-Multipoint Wireless Solution


[DataSheet +](#)

Highlights

- ◆ WORP® protocol / FastConnect™ / ClearConnect™
- ◆ 16dBi 90° sector antenna / Radio 28dBm TX power
- ◆ IP 67 Outdoor (Telco class)
- ◆ 867Mbps data rate (Max net throughput 672Mbps)
- ◆ AES 256 Encryption
- ◆ 2 x Gigabit Ethernet and 1 x access port
- ◆ Frequency range: 4.9- 5.925GHz
- ◆ Base station supports up to 250 subscribers /CPE's
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 years warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One Tsunami® MP-10150S-BS9 with integrated 90° sector antenna
- ◆ One power injector and country specific power cord
- ◆ One connector weatherproofing kit
- ◆ One wall / pole mounting kit
- ◆ One antenna alignment (RJ11) dongle
- ◆ One grounding kit
- ◆ One quick installation guide

Recommended Accessories

- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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MP-10100S-SUA-US

Extremely Secure
Point-to-Multipoint Wireless Solution

[DataSheet +](#)

Highlights

- ◆ WORP® protocol / FastConnect™ / ClearConnect™
- ◆ Radio 28dBm TX power
- ◆ IP 67 Outdoor (Telco class)
- ◆ 867Mbps data rate (Max net throughput 672Mbps)
- ◆ AES 256 Encryption
- ◆ 2 x Gigabit Ethernet and 1 x access port
- ◆ Frequency range: 4.9- 5.925GHz
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 years warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One Tsunami® MP-10100S-SUA with two N-type connectors
- ◆ One power injector and country specific power cord
- ◆ One connector weatherproofing kit
- ◆ One wall / pole mounting kit
- ◆ One antenna alignment (RJ11) dongle
- ◆ One grounding kit
- ◆ One quick installation guide

Recommended Accessories

- ◆ 4.9 - 5.875 GHz, Dual Polarity, Slanted (±45°) or V/H, 23 dBi Panel Antenna. (PA5-0823-DP)
Each Antenna requires 2 Cables (CBL-600-6-RA)
- ◆ 4.9 - 6.1 GHz, Dual Polarity, Vertical and Horizontal, 30 dBi Panel Antenna. (PA5-0530-DP)
Each Antenna requires 2 Cables (CBL-600-6-RA)
- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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MP-10150S-SUR-US

Extremely Secure
Point-to-Multipoint Wireless Solution

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Highlights

- ◆ WORP® protocol / FastConnect™ / ClearConnect™
- ◆ 22dBi panel antenna / Radio 28dBm TX power
- ◆ IP 67 Outdoor (Telco class)
- ◆ 867Mbps data rate (Max net throughput 672Mbps)
- ◆ AES 256 Encryption
- ◆ 2 x Gigabit Ethernet and 1 x access port
- ◆ Frequency range: 4.9- 5.925GHz
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 years warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One Tsunami® MP-10150-SUR with integrated 22 dBi panel antenna
- ◆ One power injector and country specific power cord
- ◆ One connector weatherproofing kit
- ◆ One wall / pole mounting kit
- ◆ One antenna alignment (RJ11) dongle
- ◆ One grounding kit
- ◆ One quick installation guide

Recommended Accessories

- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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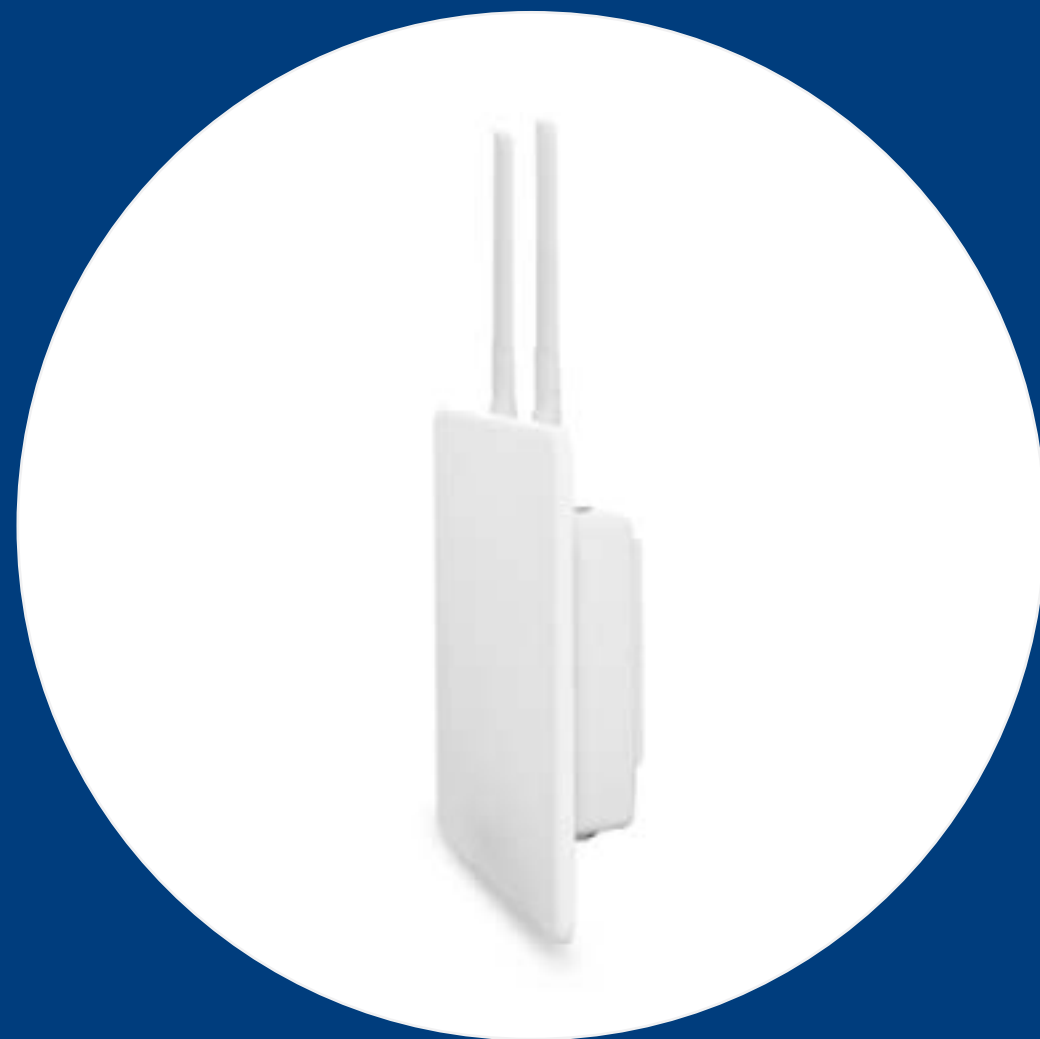
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XP-10150-BS1-US

Base Station Unit with Integrated
Panel Antenna + 11n Access Point

[DataSheet +](#)

Highlights

- ◆ 22 dBi panel antenna
- ◆ 28dBm TX power + 11n AP
- ◆ BSU : 867Mbps data rate (Max net throughput 672Mbps)
AP: 300 Mbps data rate (Max net throughput 150Mbps)
- ◆ BSU: WORP® protocol / FastConnect™ / ClearConnect™
- ◆ IP 67 Outdoor (Telco class)
- ◆ 2 x Gigabit Ethernet and 1 x access port
- ◆ Frequencies: 4.9-5.925GHz + 2.400 – 2.484GHz
- ◆ Base station supports up to 250 subscribers /CPE
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 years warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One XP-10150-BS1 with integrated 22 dBi panel antenna plus two N-type connectors
- ◆ One power injector and country specific power cord
- ◆ One Connector weatherproofing kit
- ◆ One full axis Wall / Pole mounting kit
- ◆ One Antenna alignment (RJ11) dongle
- ◆ Two 2.4 GHz, 5 dBi omni antennas
- ◆ One Grounding kit
- ◆ One Quick Installation Guide

Recommended Accessories

- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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Extended Service, Support & Warranties for
Enhanced Investment Protection

- ◆ Level 2 (Plus or Prime)

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XP-10150-SUR-US

Subscriber Unit with Integrated Panel
Antenna + 11n Access Point



DataSheet +

Highlights

- ◆ 22 dBi panel antenna
- ◆ 28dBm TX power + 11n AP
- ◆ SUR : 867Mbps data rate (Max net throughput 672Mbps)
AP: 300 Mbps data rate (Max net throughput 150Mbps)
- ◆ SUR: WORP® protocol / FastConnect™ / ClearConnect™
- ◆ IP 67 Outdoor (Telco class)
- ◆ 2 x Gigabit Ethernet and 1 x access port
- ◆ Frequencies: 4.9-5.925GHz + 2.400 – 2.484GHz
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 years warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One XP-10150-SUR with integrated 22 dBi panel antenna plus two N-type connectors
- ◆ One power injector and country specific power cord
- ◆ One Connector weatherproofing kit
- ◆ One full axis Wall / Pole mounting kit
- ◆ One Antenna alignment (RJ11) dongle
- ◆ Two 2.4 GHz, 5 dBi omni antennas
- ◆ One Grounding kit
- ◆ One Quick Installation Guide

Recommended Accessories

- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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Extended Service, Support & Warranties for
Enhanced Investment Protection

- ◆ Level 1 (Plus or Prime)

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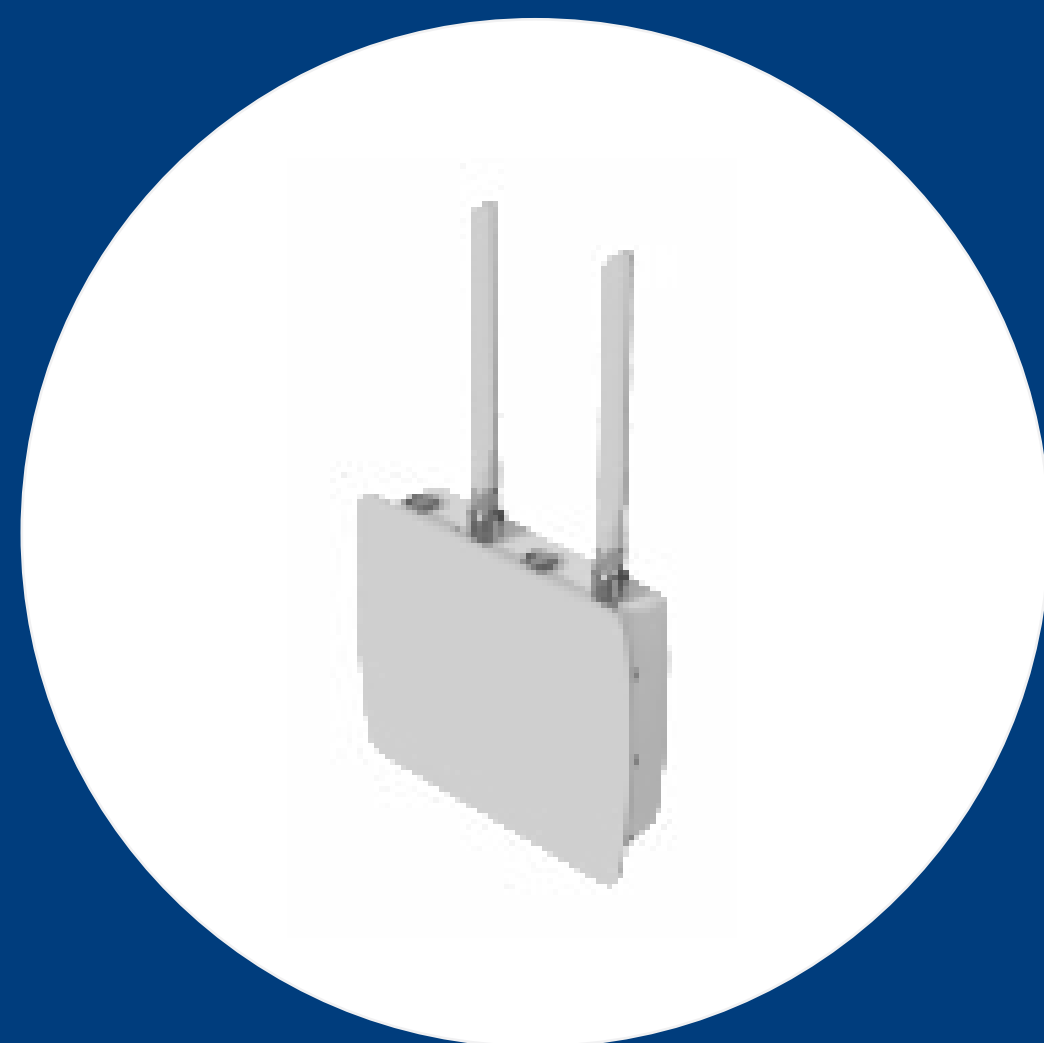
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XP-10100-SUA-US

Subscriber Unit with Type-N
Connectors + 11n Access Point



DataSheet +

Highlights

- ◆ 28dBm TX power + 11n AP
- ◆ SUA: 867Mbps data rate (Max net throughput 672Mbps)
AP: 300 Mbps data rate (Max net throughput 150Mbps)
- ◆ SUA: WORP® protocol / FastConnect™ / ClearConnect™
- ◆ IP 67 Outdoor (Telco class)
- ◆ 2 x Gigabit Ethernet and 1 x access port
- ◆ Frequencies: 4.9-5.925GHz + 2.400 – 2.484GHz
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ 2 years warranty MTBF 250 000 hours
- ◆ Operating temperature -40° to 60°C

Included in the Kit

- ◆ One XP-10100-SUA unit with four N-type connectors
- ◆ One power injector and country specific power cord
- ◆ One Connector weatherproofing kit
- ◆ One full axis Wall / Pole mounting kit
- ◆ One Antenna alignment (RJ11) dongle
- ◆ Two 2.4 GHz, 5 dBi omni antennas
- ◆ One Grounding kit
- ◆ One Quick Installation Guide

Recommended Accessories

- ◆ 4.9 - 5.875 GHz, Dual Polarity, Slanted (±45°) or V/H, 23 dBi Panel Antenna. (PA5-0823-DP)
Each Antenna requires 2 Cables (CBL-600-6-RA)
- ◆ 4.9 - 6.1 GHz, Dual Polarity, Vertical and Horizontal, 30 dBi Panel Antenna. (PA5-0530-DP)
Each Antenna requires 2 Cables (CBL-600-6-RA)
- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

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Extended Service, Support & Warranties for
Enhanced Investment Protection

- ◆ Level 1 (Plus or Prime)

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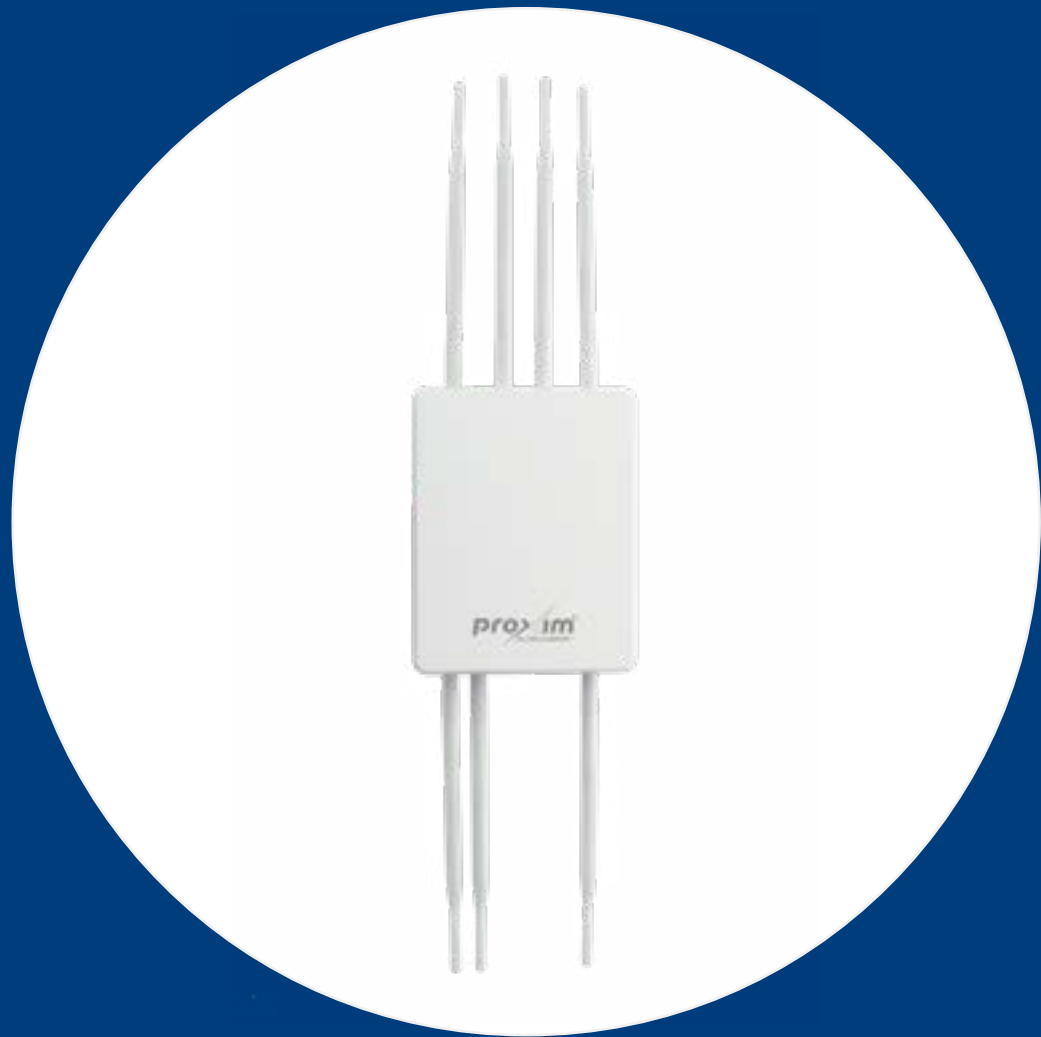
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ORiNOCO® AP-9200R-US

Rugged Outdoor Wi-Fi 5 Access Point



DataSheet +

Highlights

- ◆ Dual radio 802.11ac wave2 Access Point ready for outdoor use
- ◆ MIMO 3x3:3 - 2.4 GHz and MU-MIMO 4x4:4 - 5 GHz
 - 2.4 GHz Tx power 26 dBm (3RF) with 450 Mbps Data rate
 - 5 GHz Tx power 27 dBm (4RF) with 1733 Mbps Data rate
 - Maximum 1Gbps aggregate throughput
- ◆ IP67 weather proofed enclosure
- ◆ Gigabit Ethernet port, 802.3af/at PoE
- ◆ Jumbo Frame support (9k Bytes)
- ◆ Ethernet sync pass-through (IEEE 1588v2 & SyncE)
- ◆ Bluetooth low energy radio for configuration (IOS/Android)
- ◆ Operating temperature -30° to 55°C
- ◆ MTBF 250000 hours / 2 years warranty

Included in the Kit

- ◆ One ORiNOCO® AP-9200R with seven RP-SMA connectors
- ◆ Three 2.4 GHz, 7 dBi omni antennas
- ◆ Four 5 GHz, 7 dBi omni antennas
- ◆ One M25 weather proofing cable gland
- ◆ One power injector and country specific power cord
- ◆ One full axis mounting kit
- ◆ One Grounding kit
- ◆ One Quick Installation Guide

Recommended Accessories

- ◆ 2x Surge arrestor POE (ETH-SURGE-1G)
- ◆ Ethernet cables Cat6 STP 25, 50 or 75m (ETH-CAT6-STP-25-CAP, ETH-CAT6-STP-50-CAP, ETH-CAT6-STP-75-CAP)

ServPak

Extended Service, Support & Warranties for
Enhanced Investment Protection

- ◆ Level 1 (Plus or Prime)

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ProximVision® Advanced

Network Management and
Provisioning Platform



DataSheet +

ProximVision Advanced Highlights

General	Controller Enhancement	Controller specifics	NMS Enhancement
<ul style="list-style-type: none">◆ Supports Windows 2012 (and R2) / Windows 2016 / Windows 2019◆ Supports PostgreSQL◆ Remote client (no need for NPAPI capable web browser)◆ Database quick backup/restore tool	<ul style="list-style-type: none">◆ Discovery across flat or routed network◆ Secured profile configuration and IP addressing◆ Controller Device page Improvement	<ul style="list-style-type: none">◆ Network statistics◆ RF Management◆ Network Status (Availability, Airtime Load, CRC Errors, Cumulated Traffic)◆ Rogue Devices management (ORINOCO only)	<ul style="list-style-type: none">◆ Dashboard scheduled report◆ Static/Dynamic Map enhancements◆ Software Upgrade Scheduled Tasks◆ sFlow Monitor easy configuration

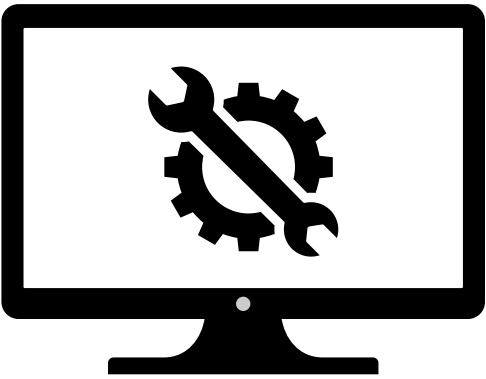
Ordering Information

CPN	Product ID Comcodes	ProximVision Advanced
997-00029	PVA-server software	ProximVision® Advanced – server software
997-00023	PVA-license-25	ProximVision® Advanced – 25 nodes license
997-00024	PVA-license-100	ProximVision® Advanced – 100 nodes license
997-00025	PVA-license-500	ProximVision® Advanced – 500 nodes license
997-00026	PVA-license-1000	ProximVision® Advanced – 1 000 nodes license
997-00027	PVA-license-2500	ProximVision® Advanced – 2 500 nodes license
997-00028	PVA-license-5000	ProximVision® Advanced – 5 000 nodes license

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ServPak

Extended Service & Support
for Proxim Products



DataSheet +

Proxim Wireless ServPak service contracts provide upgraded product service options that go beyond our standard warranty. Contracts are available for one to three years.

ServPak is offered in three different bundles to meet your specific needs. Whether your requirement is 24/7 technical support or advanced replacement service, we are confident that the level of support provided in each bundle will exceed your expectations.

Technical support is provided free during the standard product warranty period. Beyond this period, technical support is priced on a per-incident basis.

Customers who purchase Servpak will receive unlimited technical support for the duration of the ServPak contract with no additional costs.

ServPak	ServPak Plus	ServPak Prime
24x7 Basic Technical Support	All features of ServPac Level 1	All features of ServPac Level 1
8x7 Advanced Technical Support	Basic Advanced Replacement Two business days/International economy shipment service	Priority Advanced Replacement Next business day/International priority shipment service
Software Maintenance		24x7 Advanced Technical Support
Access to Knowledge Base		ProximVision® Support

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License Upgrade Procedure

- ◆ The customer purchases the upgrade from the distributor (details in Proxim price book)
- ◆ The distributor processes the order and completes the license upgrade order form
- ◆ Note : Please confirm the information of the contact name and email address of the person responsible for retrieving the license and upgrading the radio(s). This nominated person must also make sure they have the required access to support.proxim.com in order to complete this process.
- ◆ The distributor emails the PO and completed license upgrade order form to Servpak@proxim.com and orderadmin@proxim.com
- ◆ The Proxim CS team process the order, create a case number (support.proxim.com) and email the customer and the distributor with the instructions on how to obtain the upgrade license files
- ◆ Customer to download the license file from the equipment (see below) and attach to the allocated case number
- ◆ Proxim provide upgrade license file to be installed on the device

6.1.3.1 License Upgrade Procedure

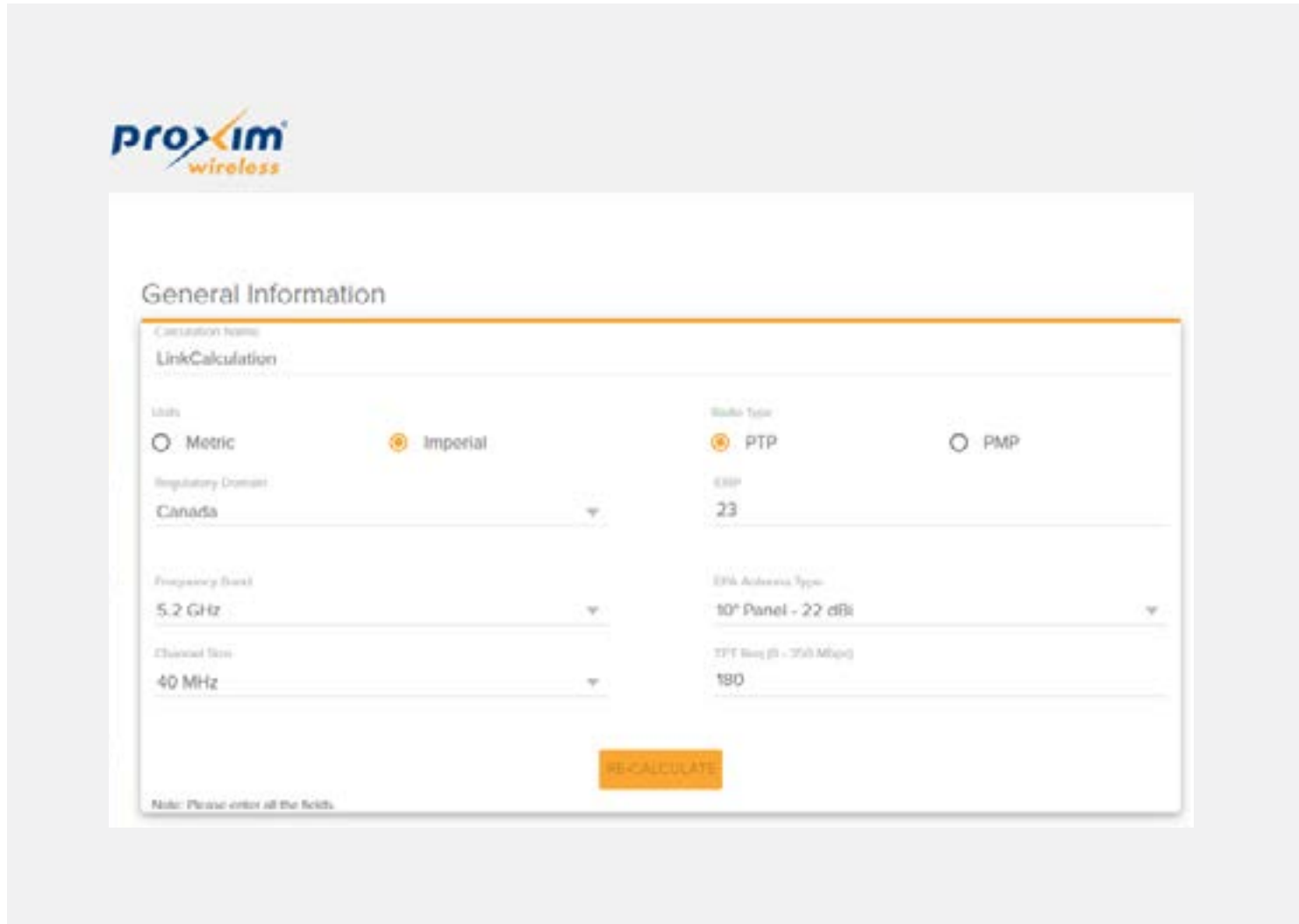
In order to get additional bandwidth, Upgrade the License by following the procedure give below

- Retrieve the license information (License info file with .lic extension) from the device. For more details, refer [Retrieve From Device](#) section.
- To Purchase a license upgrade, please contact your Proxim Sales Representative; to generate a unique license file for your device, please refer to the Technical Note available on Proxim support site: <https://my.proxim.com/article/3003>
- Upgrade the bandwidth using the license file(.bin extension) generated in the above step. For more details, refer [Upgrade License](#) section.

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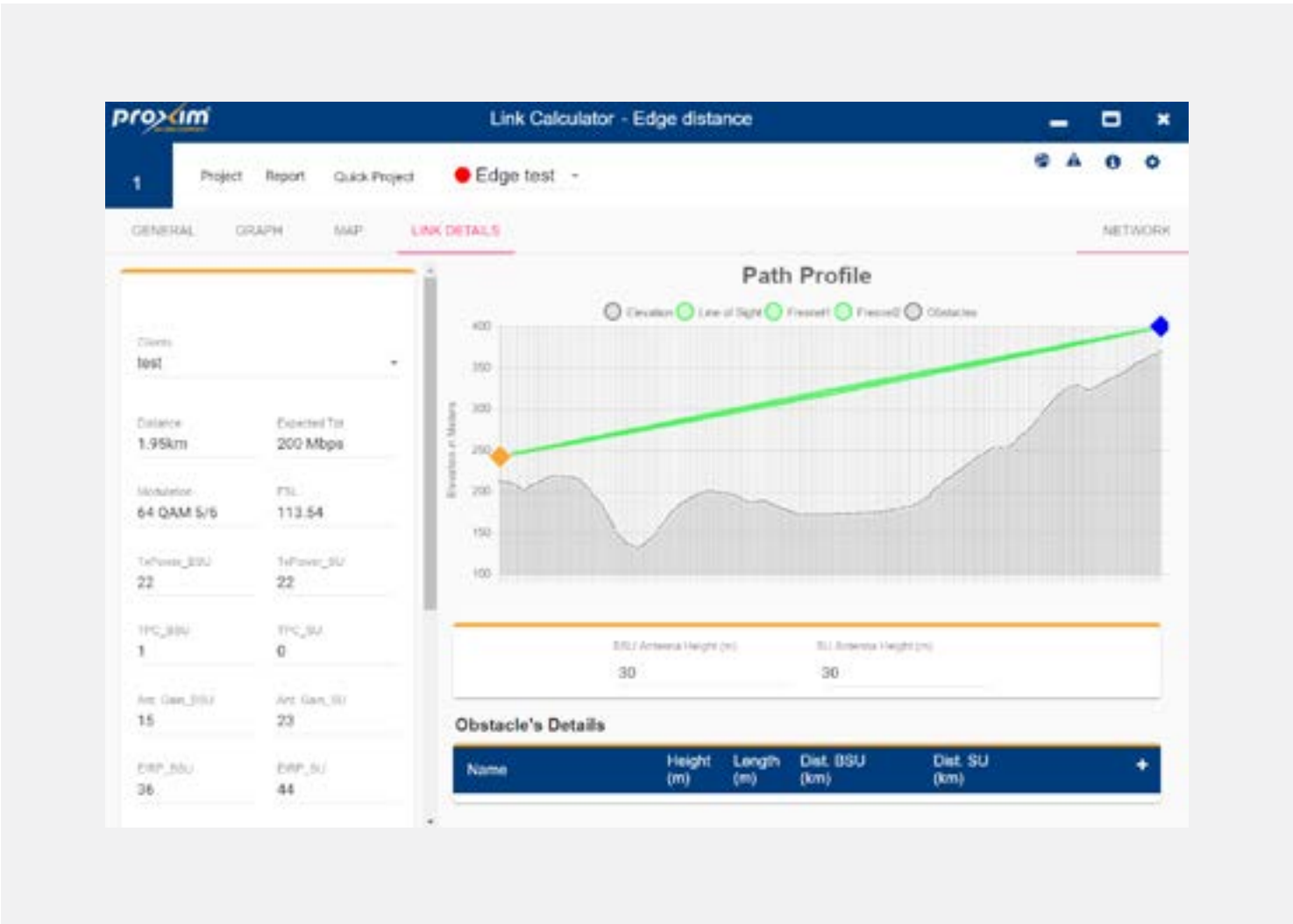
Calculator and Quoting Tools

Available in English, French, Spanish and Chinese



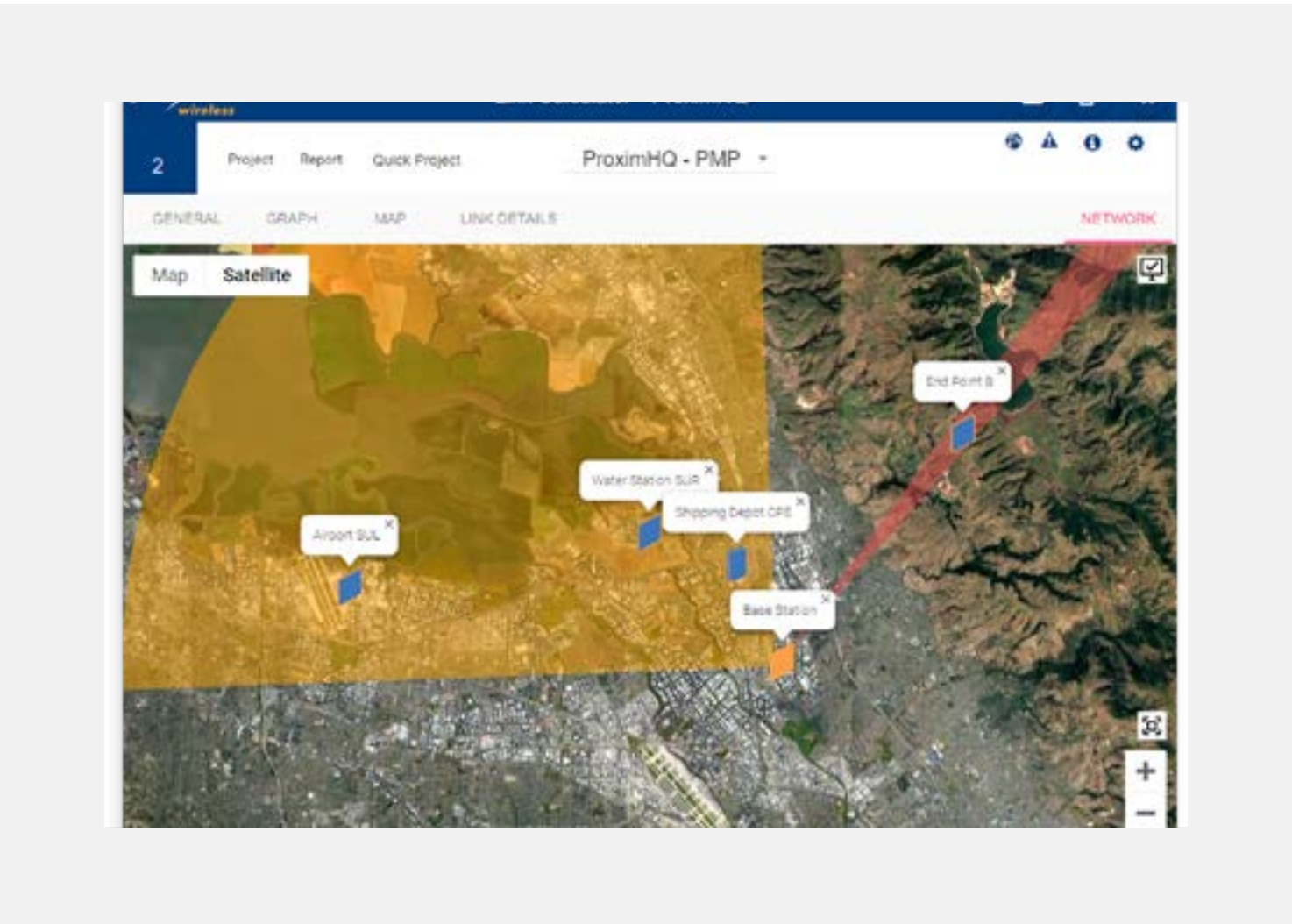
Customer Facing Web Interface

- ◆ Inform sales team of customer interest



Link Calculator

- ◆ Full link calculation for PTP link or PMP sector
- ◆ Google Earth import/export
- ◆ Technical report to be included in RFP
- ◆ Bill of Material



Quote Generator

- ◆ Provide a quote tool for RSM and Partners
- ◆ Customizable to match Partner look and feel requirements

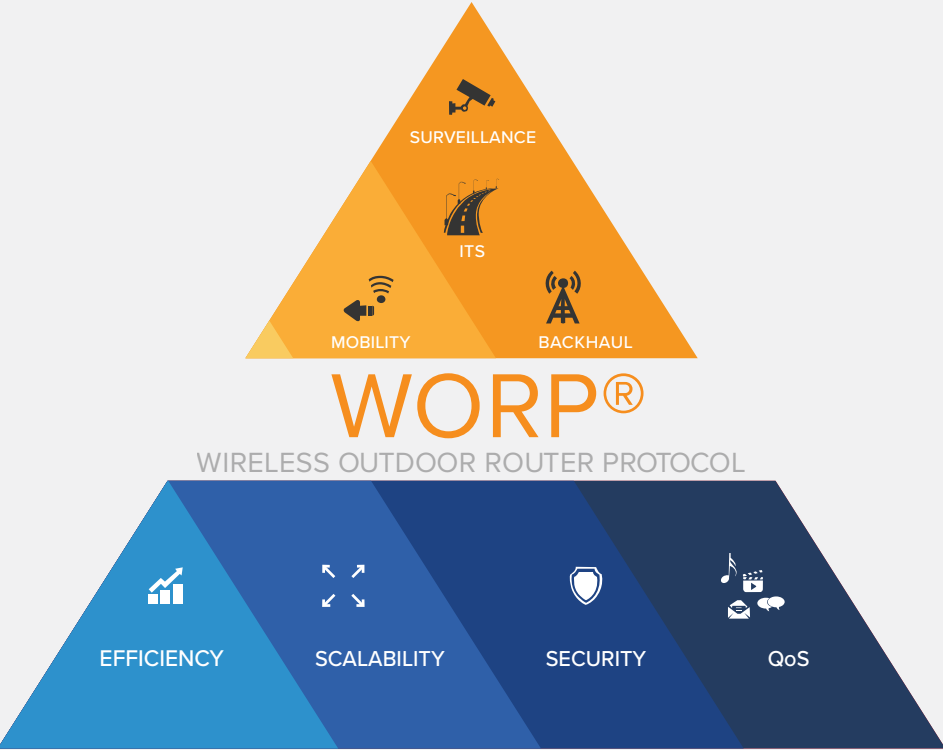
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Common Applications

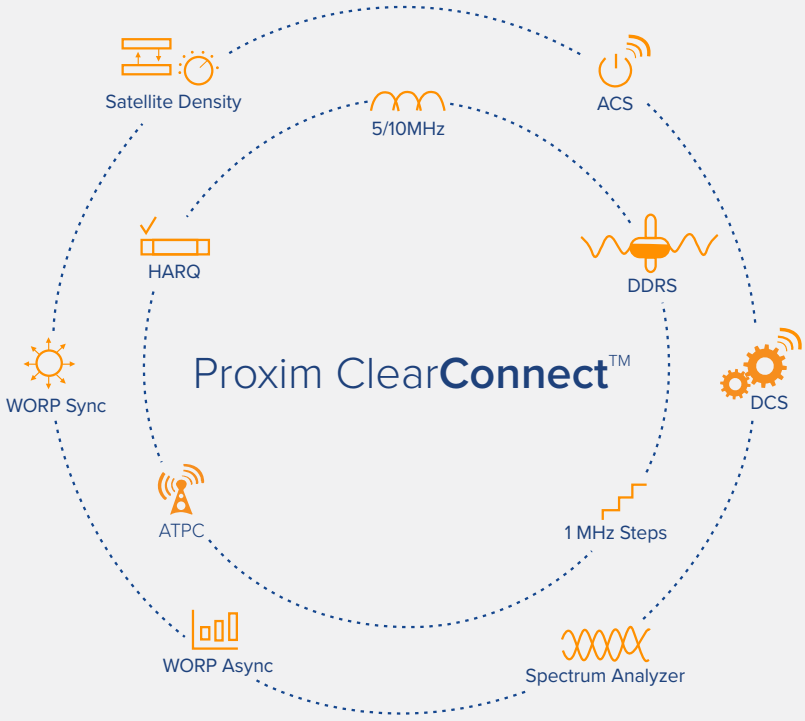


Key Technologies



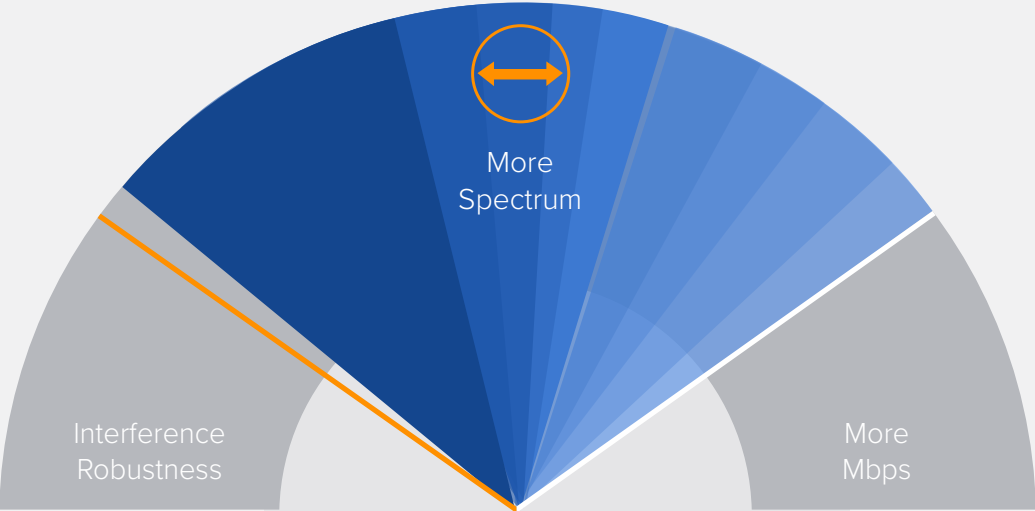
Proxim WORM® - Combines network access control, data scheduling, advanced QoS and encryption to ensure highly efficient and secure data transmission.

[Learn More +](#)



Proxim ClearConnect™, a suite of interference mitigation technologies ensuring robust and reliable communications in high-density wireless deployments.

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Proxim SmartConnect™
Intelligent Interference Avoidance Technology

Delivering exceptional performance in noisy RF locations by combining a beam steering antenna with a secondary look ahead scan radio to seek, manage and select the best channel.

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Mobility technology that delivers rapid hand-off between fixed base stations and moving vehicles to ensure uninterrupted broadband at speeds up to 295 km/h (185 mph)

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