



	Tsunami® MP-10200 Series	Tsunami® MP-10100(L) Series	Tsunami® MP-10100 CPE/CPA	Tsunami® XP-10100 Series	Tsunami® MP-820/835-CPE Series	Tsunami® MP-8260/826-CPE
Product Models	<ul style="list-style-type: none"> MP-10250-BSX 	<ul style="list-style-type: none"> MP-10100(L)-BSU MP-10100(L)-SUA MP-10150(L)-BS9 MP-10150(L)-SUR MP-10150(L)-BS1 MP-10150-SUL 	<ul style="list-style-type: none"> MP-10150-CPE MP-10100-CPA 	<ul style="list-style-type: none"> XP-10150-BS1 XP-10100-SUA XP-10150-SUR 	<ul style="list-style-type: none"> MP-820-BSU-100 MP-825-SUR-50* MP-825-BS3-100 MP-820-SUA-50* MP-820-SUA-100 MP-835-CPE-10 MP-835-CPE-25 MP-835-CPE-50 MP-835-CPE-100 	<ul style="list-style-type: none"> MP-8260-BSU MP-8260-BS9 MP-8260-SUA MP-826-CPE-50
Frequency Band (Subject to country regulations)	4.900 – 5.850 GHz	4.900 – 5.925 GHz	4.900 – 5.925 GHz	<ul style="list-style-type: none"> PTMP: 4.900 – 5.925 GHz AP: 2.400 – 2.484 GHz 	4.900 - 5.925 GHz	5.900 – 6.425 GHz
MIMO	2x2:2	2X2	2X2	2x2	2x2	2x2
Channel Size	80 MHz, 40 MHz and 20 MHz	80 MHz (except 101x0L variant), 40 MHz and 20 MHz channel bandwidths	80 MHz, 40 MHz and 20 MHz channel bandwidths	<ul style="list-style-type: none"> PTMP: 80,40 and 20 MHz channel bandwidths AP: 40 MHz and 20 MHz channel bandwidths 	40 MHz, 20 MHz, 10 MHz, 5 MHz channel bandwidths	40 MHz, 20 MHz, 10 MHz, 5 MHz channel bandwidth with 1 MHz channel spacing
Data Rate	866 Mbps	<ul style="list-style-type: none"> 101x0 variant: 866 Mbps 101x0L variant: 400 Mbps (licence upgradable to 866 Mbps) 	866 Mbps	<ul style="list-style-type: none"> PTMP: 866Mbps AP: 300Mbps 	300 Mbps	300 Mbps
Throughput	<ul style="list-style-type: none"> Up to 672 Mbps @ 80 MHz Up to 324 Mbps @ 40 MHz Up to 137 Mbps @ 20 MHz 	<ul style="list-style-type: none"> 672 Mbps @ 80 MHz (except 101x0L variant) 324 Mbps @ 40 MHz 137 Mbps @ 20 MHz 	License controlled to 50, 100, 150 or 200 Mbps	<ul style="list-style-type: none"> PTMP: Up to 672 Mbps @ 80 MHz AP: Up to 150 Mbps 	License controlled to 10, 25, 50 or 100 Mbps	<ul style="list-style-type: none"> Up to 222 Mbps @ 40 MHz Up to 121 Mbps @ 20 MHz Up to 50 Mbps @ 10 MHz Up to 22 Mbps @ 5 MHz Up to 50 Mbps (826-CPE)
TX Power	Up to 28 dBm (dual chain)	Up to 28 dBm (Dual chain)	Up to 28 dBm (Dual chain)	<ul style="list-style-type: none"> PTMP: 28 dbm AP: 26 dbm 	Up to 26 dBm (Dual chain)	Up to 25 dBm (Dual chain)
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)	<ul style="list-style-type: none"> MP-10100(L)-BSU/SUA: Two N-type Connectors with built-in Surge Protection MP-10150(L)-BS9: Integrated 2x2 MIMO 16dBi Dual Polarized 90 degree Sector Antenna MP-10150(L)-BS1/SUR: Integrated 2x2 MIMO 22dBi Dual Polarized 1 foot Panel Antenna MP-10150-SUL: Integrated 2x2 MIMO 28dBi Dual Polarized 2 feet Panel Antenna 	<ul style="list-style-type: none"> MP-10100-CPA : Two N-type Connectors with built-in Surge Protection MP-10150-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 surge protected connectors Tsunami® XP-10150-BS1/SUR unit with integrated 22 dBi panel antenna plus two N-type surge protected connectors 	<ul style="list-style-type: none"> MP-835-CPE-10, MP-835-CPE-25 MP-835-CPE-50, MP-835-CPE-100, MP-825-BS3-100, SUR-50*, SUR-100: Integrated 15 dBi dual polarized (H+V), panel antenna (12 dBi before 5.000 GHz and 14 dBi beyond 5.850 GHz) MP-820-BSU-100, SUA-50*, SUA-100: Two N type connectors 	<ul style="list-style-type: none"> MP-8260-BSU or MP-8260-SUA: Two N-type connectors MP-8260-BS9: Integrated 2x2 MIMO 16dBi, 90°, dual polarized sector antenna MP-826-CPE: Integrated 15 dBi dual polarized (H+V) panel antenna
Security	<ul style="list-style-type: none"> AES - 128 bits Secure management (SSL, SSH, SNMPv3) Proprietary nature of RF protocol 	<ul style="list-style-type: none"> AES - 128 bits Secure management (SSL, SSH, SNMPv3) Proprietary nature of RF protocol 	<ul style="list-style-type: none"> AES - 128 bits Secure management (SSL, SSH, SNMPv3) Proprietary nature of RF protocol 	<ul style="list-style-type: none"> AES - 128 bits Secure management (SSL, SSH, SNMPv3) Proprietary nature of RF protocol 	<ul style="list-style-type: none"> AES - 128 bits Secure management (SSL, SSH, SNMPv3) Proprietary nature of RF protocol 	<ul style="list-style-type: none"> AES - 128 bits Secure management (SSL, SSH, SNMPv3) Proprietary nature of RF protocol
QoS	Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	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 rules AP: WMM 	Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules
Humidity - IP Rating	100% relative humidity - IP67	100% relative humidity - IP67	100% relative humidity - IP67	100% relative humidity - IP67	100% relative humidity - IP67	100% relative humidity - IP67
Wireless Protocol	WORP®	WORP®	WORP®	PTMP: WORP -AP: WiFi (802.11n)	WORP® or WORP sync	WORP®
Interference Immunity	Proxim ClearConnect™ and Proxim SmartConnect™ with Proxim SmartScan™ background RF analysis	Proxim ClearConnect™	Proxim ClearConnect™	Proxim ClearConnect™ (PTMP)	Proxim ClearConnect™	Proxim ClearConnect™
Mobility		<ul style="list-style-type: none"> Proxim FastConnect™ (High speed roaming up to 185 mph) Railway certification (BSU/SUA) 	<ul style="list-style-type: none"> Proxim FastConnect™ (High speed roaming up to 185 mph) Railway certification CPA 	<ul style="list-style-type: none"> Proxim FastConnect™ (High speed roaming up to 185 mph) Railway certification (SUA) 	Proxim FastConnect™ (High speed roaming up to 185 mph)	Proxim FastConnect™ (High speed roaming up to 185 mph)
Other Features	<ul style="list-style-type: none"> Dual Gigabit Ethernet with controllable PoE out 9k Jumbo frame and IEEE 1588v2 pass through synchronization Easy, quick installation and management Interoperable with Tsunami 10100, 8200, 820 and 830 series 	<ul style="list-style-type: none"> Dual Gigabit Ethernet with controllable PoE out 9k Jumbo frame and IEEE 1588v2 pass through synchronization Base Station redundancy Easy, quick installation and management Interoperable with Tsunami 8200, 820 and 830 series 	<ul style="list-style-type: none"> Compact and robust design Easy, quick installation and management Interoperable with Tsunami 8200, 820 and 830 series 9k Jumbo frame and IEEE 1588v2 pass through synchronization 	<ul style="list-style-type: none"> 5 GHz Point to Multipoint with 2.4 GHz Wi-Fi AP Dual Gigabit Ethernet with controllable PoE out 9k Jumbo frame and IEEE 1588v2 pass through synchronization Base Station redundancy Easy, quick installation and management Interoperable with Tsunami 8200, 820 and 830 series 	<ul style="list-style-type: none"> Low cost and compact design Easy, quick installation and management Interoperable with any Tsunami® series 	<ul style="list-style-type: none"> Dual Gigabit Ethernet with Controllable PoE out (8260) 2k (826) or 9k (8260) jumbo frame Easy, quick installation and management Compact and robust design (826-CPE) Interoperable with Tsunami® 8160 2nd gen (since Q2/14)
Operating Temperature and Dimensions	<ul style="list-style-type: none"> -40° to 140° F 10250 BSX: 7.27 lbs, 14 x 14 x 3.40 in 	<ul style="list-style-type: none"> -40° to 140° F 10100(L)-BSU/SUA: 4.20 lbs, 9.84 x 8.66 x 2.83 in 10150(L)-BS9: 7.27 lbs, 14.57 x 14.57 x 4.21 in 10150(L)-BS1/SUR: 5.30 lbs, 12 x 12 x 3.40 in 10150-SUL: 14.33 lbs, 23.62 x 23.62 x 3.85 in 	<ul style="list-style-type: none"> -40° to 140° F 10150-CPE: 2.10 lbs, 4.96 x 8.62 x 2.58 in 10100-CPA: 2.75 lbs, 5.02 x 8.68 x 2.85 in 	<ul style="list-style-type: none"> -40° to 140° F 10100-SUA: 5.07 lbs, 9.84 x 8.66 x 2.83 in 10150-BS1/SUR: 6.17 lbs, 12 x 12 x 3.40 in 	<ul style="list-style-type: none"> -40° to 131° F, -22° to 122° F (835-CPE) 820-BSU-100, SUA-50° / 100: 2.75 lbs, 5.02 x 8.68 x 2.85 in 825-BS3-100, SUR-50° / 100, 835-CPE-10/25/50/100: 2.1 lbs, 4.96 x 8.62 x 2.58 in 	<ul style="list-style-type: none"> -40° to 140° F, -40° to 131° F (826-CPE) 8260-BSU, SUA: 4.20 lbs, 9.84 x 8.66 x 2.83 in 8260-BS9: 7.27 lbs, 14.57x14.57x4.21 in 826-CPE-50: 2.1 lbs 4.96x8.62x2.58 in