



	Multipoint 10250 BeamX Series	Multipoint 10100(L) Series	Multipoint 10200/10100 CPE/CPA	Crosspoint 10100 Series	Tsunami® MP-820/835-CPE Series	Tsunami® MP-8260/826-CPE
Product Models	<ul style="list-style-type: none"> <li>MP-10250-BSX</li> <li>MP-10250-SRX</li> </ul>	<ul style="list-style-type: none"> <li>MP-10100(L)-BSU</li> <li>MP-10100(L)-BS9</li> <li>MP-10100(L)-BS1</li> <li>MP-10100(L)-SUL</li> <li>MP-10100(L)-SUA</li> <li>MP-10100(L)-SUR</li> </ul>	<ul style="list-style-type: none"> <li>MP-10150-CPE</li> <li>MP-10150-CPA</li> <li>MP-10250-CPE</li> <li>MP-10200-CPA</li> <li>MP-102x0-CPx-866-UPG</li> <li>MP-102x0-CPx-AES256-UPG</li> </ul>	<ul style="list-style-type: none"> <li>XP-10150-BS1</li> <li>XP-10150-SUR</li> <li>XP-10100-SUA</li> </ul>	<ul style="list-style-type: none"> <li>MP-820-BSU-100</li> <li>MP-825-BS3-100</li> <li>MP-820-SUA-50*</li> <li>MP-835-CPE-10</li> <li>MP-835-CPE-50</li> <li>MP-825-SUR-50*</li> <li>MP-825-SUR-100</li> <li>MP-820-SUA-100</li> <li>MP-835-CPE-25</li> <li>MP-835-CPE-100</li> </ul>	<ul style="list-style-type: none"> <li>MP-8260-BSU</li> <li>MP-8260-BS9</li> <li>MP-8260-SUA</li> <li>MP-826-CPE-50</li> </ul>
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"> <li>PtMP: 4.900 – 5.925 GHz</li> <li>AP: 2.400 – 2.484 GHz</li> </ul>	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 10x0L variant), 40 MHz and 20 MHz channel bandwidths	<ul style="list-style-type: none"> <li>80 MHz, 40 MHz and 20 MHz channel bandwidths</li> <li>20 MHz and 40 MHz channel bandwidths, Upgradeable to 80 MHz (MP-10200 CPE/CPA)</li> </ul>	<ul style="list-style-type: none"> <li>PtMP: 80,40 and 20 MHz channel bandwidths</li> <li>AP: 40 MHz and 20 MHz channel bandwidths</li> </ul>	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"> <li>10x0 variant: 866 Mbps</li> <li>10x0L variant: 400 Mbps (licence upgradeable to 866 Mbps)</li> </ul>	866 Mbps	<ul style="list-style-type: none"> <li>PtMP: 866Mbps</li> <li>AP: 300Mbps</li> </ul>	300 Mbps	300 Mbps
Throughput	<ul style="list-style-type: none"> <li>Up to 672 Mbps @ 80 MHz</li> <li>Up to 324 Mbps @ 40 MHz</li> <li>Up to 137 Mbps @ 20 MHz</li> </ul>	<ul style="list-style-type: none"> <li>672 Mbps @ 80 MHz (except 10x0L variant)</li> <li>324 Mbps @ 40 MHz</li> <li>137 Mbps @ 20 MHz</li> </ul>	<ul style="list-style-type: none"> <li>License controlled to 50, 100 Mbps</li> <li>324 Mbps upgradeable to 672 Mbps (MP-10200 CPE/CPA)</li> </ul>	<ul style="list-style-type: none"> <li>PtMP: Up to 672 Mbps @ 80 MHz</li> <li>AP: Up to 150 Mbps</li> </ul>	<ul style="list-style-type: none"> <li>License controlled to 10, 25, 50 or 100 Mbps</li> </ul>	<ul style="list-style-type: none"> <li>Up to 222 Mbps @ 40 MHz</li> <li>Up to 121 Mbps @ 20 MHz</li> <li>Up to 50 Mbps @ 10 MHz</li> <li>Up to 22 Mbps @ 5 MHz</li> <li>Up to 50 Mbps (826-CPE)</li> </ul>
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"> <li>PtMP: 28 dbm</li> <li>AP: 26 dbm</li> </ul>	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"> <li>MP-10100(L)-BSU/SUA: Two N-type Connectors with built-in Surge Protection</li> <li>MP-10150(L)-BS9: Integrated 2x2 MIMO 16dBi Dual Polarized 90 degree Sector Antenna</li> <li>MP-10150(L)-BS1/SUR: Integrated 2x2 MIMO 22dBi Dual Polarized 1 foot Panel Antenna</li> <li>MP-10150-SUL: Integrated 2x2 MIMO 28dBi Dual Polarized 2 feet Panel Antenna</li> </ul>	<ul style="list-style-type: none"> <li>MP-10200-CPA/10100-CPA: Two N-type Connectors</li> <li>MP-10250-CPE/10150-CPE: Integrated 15 dBi dual polarized (H+V), panel antenna</li> <li>MP-10150(L)-BS1/SUR: 12 dBi before 5.000 GHz and 14 dBi beyond 5.850 GHz)</li> </ul>	<ul style="list-style-type: none"> <li>Tsunami® XP-10100-SUA unit with four N-type surge protected connectors</li> <li>Tsunami® XP-10150-BS1/SUR unit with integrated 22 dBi panel antenna plus two N-type surge protected connectors</li> </ul>	<ul style="list-style-type: none"> <li>MP-835-CPE-100, MP-835-CPE-25</li> <li>MP-835-CPE-50, MP-835-CPE-100,</li> <li>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)</li> <li>MP-820-BSU-100, SUA-50*, SUA-100: Two N type connectors</li> </ul>	<ul style="list-style-type: none"> <li>MP-8260-BSU or MP-8260-SUA: Two N-type connectors</li> <li>MP-8260-BS9: Integrated 2x2 MIMO 16dBi, 90°, dual polarized sector antenna</li> <li>MP-826-CPE: Integrated 15 dBi dual polarized (H+V) panel antenna</li> </ul>
Security	<ul style="list-style-type: none"> <li>AES - 128 bits</li> <li>Secure management (SSL, SSH, SNMPv3)</li> <li>Proprietary nature of RF protocol</li> </ul>	<ul style="list-style-type: none"> <li>AES - 128 bits</li> <li>Secure management (SSL, SSH, SNMPv3)</li> <li>Proprietary nature of RF protocol</li> </ul>	<ul style="list-style-type: none"> <li>AES - 128 bits, upgradeable to AES - 256 bits</li> <li>Secure management (SSL, SSH, SNMPv3)</li> <li>Proprietary nature of RF protocol</li> </ul>	<ul style="list-style-type: none"> <li>AES - 128 bits</li> <li>Secure management (SSL, SSH, SNMPv3)</li> <li>Proprietary nature of RF protocol</li> </ul>	<ul style="list-style-type: none"> <li>AES - 128 bits</li> <li>Secure management (SSL, SSH, SNMPv3)</li> <li>Proprietary nature of RF protocol</li> </ul>	<ul style="list-style-type: none"> <li>AES - 128 bits</li> <li>Secure management (SSL, SSH, SNMPv3)</li> <li>Proprietary nature of RF protocol</li> </ul>
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"> <li>PtMP: Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules</li> <li>AP: WMM</li> </ul>	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"> <li>Proxim FastConnect™ (High speed roaming up to 185 mph)</li> <li>Railway certification (BSU/SUA)</li> </ul>	<ul style="list-style-type: none"> <li>Proxim FastConnect™ (High speed roaming up to 185 mph (296 km/h))</li> <li>Railway certification CPA</li> </ul>	<ul style="list-style-type: none"> <li>Proxim FastConnect™ (High speed roaming up to 185 mph)</li> <li>Railway certification (SUA)</li> </ul>	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"> <li>Dual Gigabit Ethernet with controllable PoE out</li> <li>9k Jumbo frame and IEEE 1588v2 pass through synchronization</li> <li>Easy, quick installation and management</li> <li>Interoperable with Tsunami 10100, 8200, 820 and 830 series</li> </ul>	<ul style="list-style-type: none"> <li>Dual Gigabit Ethernet with controllable PoE out</li> <li>9k Jumbo frame and IEEE 1588v2 pass through synchronization</li> <li>Base Station redundancy</li> <li>Easy, quick installation and management</li> <li>Interoperable with Tsunami 8200, 820 and 830 series</li> </ul>	<ul style="list-style-type: none"> <li>Compact and robust design</li> <li>Easy, quick installation and management</li> <li>Interoperable with Tsunami 8200, 820 and 830 series</li> <li>9k Jumbo frame and IEEE 1588v2 pass through synchronization</li> </ul>	<ul style="list-style-type: none"> <li>5 GHz Point to Multipoint with 2.4 GHz Wi-Fi AP</li> <li>Dual Gigabit Ethernet with controllable PoE out</li> <li>9k Jumbo frame and IEEE 1588v2 pass through synchronization</li> <li>Base Station redundancy</li> <li>Easy, quick installation and management</li> <li>Interoperable with Tsunami 8200, 820 and 830 series</li> </ul>	<ul style="list-style-type: none"> <li>Low cost and compact design</li> <li>Easy, quick installation and management</li> <li>Interoperable with any Tsunami® series</li> </ul>	<ul style="list-style-type: none"> <li>Dual Gigabit Ethernet with Controllable PoE out (8260)</li> <li>2k (826) or 9k (8260) jumbo frame</li> <li>Easy, quick installation and management</li> <li>Compact and robust design (826-CPE)</li> <li>Interoperable with Tsunami® 8160 2nd gen (since Q2/14)</li> </ul>
Operating Temperature and Dimensions	<ul style="list-style-type: none"> <li>-40° to 60° C</li> <li>10250 BSX: 3.3 kg, 371 x 371 x 85 mm</li> </ul>	<ul style="list-style-type: none"> <li>-40° to 60° C</li> <li>10100(L)-BSU/SUA: 1.9 kg, 250 x 220 x 72 mm</li> <li>10150(L)-BS9: 3.3 kg,(370 x 370 x107 mm</li> <li>10150(L)-BS1/SUR: 2.4 kg, 305 x 305 x 85 mm</li> <li>10150-SUL: 6.5 kg, 600 x 600 x 92 mm</li> </ul>	<ul style="list-style-type: none"> <li>-40° to 140° F</li> <li>10250-CPE/10150-CPE: 2.10 lbs, 4.96 x 8.62 x 2.58 in</li> <li>10200-CPA/10100-CPA: 2.75 lbs, 5.02 x 8.68 x 2.85 in</li> </ul>	<ul style="list-style-type: none"> <li>-40° to 60° C</li> <li>10100-SUA: 2.3 kg, 250 x 220 x 72 mm</li> <li>10150-BS1/SUR: 2.8 kg, 305 x 305 x 85 mm</li> </ul>	<ul style="list-style-type: none"> <li>-40° to 55° C, -30° to 50°C (835-CPE)</li> <li>820-BSU-100, SUA-50+, SUA-100: 1.250 kg, 127.5 x 220.5 x 72.5 mm</li> <li>825- BS3-100, SUR-50+, SUR-100, 835-CPE-10/25/50/100: 0.950 kg, 126 x 219 x 65.5 mm</li> </ul>	<ul style="list-style-type: none"> <li>-40° to 60° C, -40° to 55° C (CPE)</li> <li>8260-BSU, SUA: 1.9 kg, 250 x 220 x72 mm</li> <li>8260-BS9: 3.3 kg, 370 x 370 x 107 mm</li> <li>826-CPE: 0.950 kg, 126 x 219 x 65.5 mm</li> </ul>