



	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"> <li>MP-10250-BSX</li> </ul>	<ul style="list-style-type: none"> <li>MP-10100(L)-BSU</li> <li>MP-10150(L)-BS9</li> <li>MP-10150(L)-BS1</li> <li>MP-10150-SUL</li> <li>MP-10100(L)-SUA</li> <li>MP-10150(L)-SUR</li> </ul>	<ul style="list-style-type: none"> <li>MP-10150-CPE</li> <li>MP-10100-CPA</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	80 MHz, 40 MHz and 20 MHz channel bandwidths	<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>101x0 variant: 866 Mbps</li> <li>101x0L variant: 400 Mbps (licence upgradable 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>	License controlled to 50, 100, 150 or 200 Mbps	<ul style="list-style-type: none"> <li>PtMP: Up to 672 Mbps @ 80 MHz</li> <li>AP: Up to 150 Mbps</li> </ul>	License controlled to 10, 25, 50 or 100 Mbps	<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-10100-CPA : Two N-type Connectors with built-in Surge Protection</li> <li>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)</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</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)</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 x 107 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 60° C</li> <li>10150-CPE: 0.950 kg, 126 x 219 x 65.5 mm</li> <li>10100-CPA: 1.250 kg, 127.5 x 220.5 x 72.5 mm</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 x 72 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>