

	Multipoint 10250 BeamX Series	Multipoint 10100S Series	Multipoint 10100L Series	Multipoint 10200/10100 CPE/CPA	Crosspoint 10100 Series	Edge Multipoint 1015
Frequency Band (Subject to country regulations)	• 4.900 – 5.850 GHz	• 4.900 – 5.925 GHz	• 4.900 – 5.925 GHz	• 4.900 – 5.925 GHz	• PtMP: 4.900 – 5.925 GHz • AP: 2.400 – 2.484 GHz	• 5.150 – 5.925 GHz
MIMO	2x2:2	2x2:2	2X2	2X2	2x2	2x2:2 and 4x4:4 ¹
Channel Size	• 80 MHz, 40 MHz and 20 MHz	• 80 MHz, 40 MHz and 20 MHz	• 40 MHz and 20 MHz channel bandwidths with optional upgrade to 80 MHz	• 80 MHz, 40 MHz and 20 MHz channel bandwidths • 20 MHz and 40 MHz channel bandwidths, Upgradeable to 80 MHz (MP-10200 CPE/CPA)	• PtMP: 80,40 and 20 MHz channel bandwidths • AP: 40 MHz and 20 MHz channel bandwidths	• 20, 40, 80 MHz
Throughput	• Up to 672 Mbps @ 80 MHz • Up to 324 Mbps @ 40 MHz • Up to 137 Mbps @ 20 MHz	• Up to 672 Mbps @ 80 MHz • Up to 324 Mbps @ 40 MHz • Up to 137 Mbps @ 20 MHz	• 672 Mbps @ 80 MHz (with Optional Upgrade) • 324 Mbps @ 40 MHz • 137 Mbps @ 20 MHz	• License controlled to 50, 100 Mbps (with Optional Upgrade) to 672 Mbps (MP-10200 CPE/CPA)	• PtMP: Up to 672 Mbps @ 80 MHz • AP: Up to 150 Mbps	• Up to 100 Mbps (license upgrade to 200 Mbps)
TX Power	• Up to 28 dBm (dual chain)	• Up to 28 dBm (dual chain)	• Up to 28 dBm (Dual chain)	• Up to 28 dBm (Dual chain)	• PtMP: 28 dbm • AP: 26 dbm	• Up to 24 dBm (dual chain) or Up to 27 dBm (quad 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)	• Two N-type Connectors with built-in Surge Protection • Integrated 2x2 MIMO 16dBi Dual Polarized 90 degree Sector Antenna • Integrated 2x2 MIMO 22dBi Dual Polarized 1 foot Panel Antenna	• MP-10100L-BSU/SUA: Two N-type Connectors with built-in Surge Protection • MP-10150L-BS9: Integrated 2x2 MIMO 16dBi Dual Polarized 90 degree Sector Antenna • MP-10150L-BS1/SUR: Integrated 2x2 MIMO 22dBi Dual Polarized 1 foot Panel Antenna	• MP-10200-CPA/10100-CPA : Two N-type Connectors • MP-10250-CPE/10150-CPE: Integrated 15 dBi dual polarized (H+V), panel antenna (12 dBi before 5.000 GHz and 14 dBi beyond 5.850 GHz)	• 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	• Integrated 2x2 MIMO 15 dBi Dual Polarized 35 degree Panel Antenna plus Four RP-SMA Connectors (Software switch between integrated antenna and connectors)
Security	• AES - 128 bits • Secure management (SSL/TLS, SSH, SNMPv3) • Proprietary nature of RF protocol	• AES 128 and AES 256 • Secure management (SSL/TLS, SSH, SNMPv3) • Proprietary nature of RF protocol	• AES - 128 bits • Secure management (SSL/TLS, SSH, SNMPv3) • Proprietary nature of RF protocol	• AES - 128 bits, upgradeable to AES-256 bits • Secure management (SSL/TLS, SSH, SNMPv3) • Proprietary nature of RF protocol	• AES - 128 bits • Secure management (SSL/TLS, SSH, SNMPv3) • Proprietary nature of RF protocol	• AES - 128 bits • Secure management (SSL/TLS, SSH, SNMPv3) • Proprietary nature of RF protocol
Ethernet Ports	Two auto MDI-X RJ45 10/100/1000Mbps Ethernet (Port #1 with PoE in & Data, Port #2 with PoE out & Data)	Two auto MDI-X RJ45 10/100/1000Mbps Ethernet (Port #1 with PoE in & Data, Port #2 with PoE out & Data)	Two auto MDI-X RJ45 10/100/1000Mbps Ethernet (Port #1 with PoE in & Data, Port #2 with PoE out & Data)	One auto MDI-X RJ45 10/100/1000Mbps Ethernet with 802.3af/at PoE in & Data	Two auto MDI-X RJ45 10/100/1000Mbps Ethernet (Port #1 with PoE in & Data, Port #2 with PoE out & Data)	One auto MDI-X RJ45 10/100/1000Mbps Ethernet with 802.3af/at PoE in
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	• Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	• 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
Mobility		High speed roaming up to 185 mph	High speed roaming up to 185 mph	High speed roaming up to 185 mph (296 km/h)	High speed roaming up to 185 mph	High speed roaming up to 185 mph
GPS Localization	Requires optional GPS module			MP-10200: Requires optional GPS module		Included (Requires optional GPS antenna)
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
Operating Temperature	-40° to 140° Fahrenheit	-40° to 140° Fahrenheit	-40° to 140° Fahrenheit	-40° to 140° Fahrenheit	-40° to 140° Fahrenheit	-22° to 131° Fahrenheit
Certifications	• USA: FCC 90Y + 15E (UNII 15.247) • Canada: IC RSS 102 + RSS 111 + RSS 247 • Europe: RED EN 301 489-1 + EN 301-489-17 + EN 301 893 + EN 302 502	• USA: FCC 90Y + 15E (UNII 15.247) • Railway: EN 50155 + EN 50121 + EN 61000-6-4 + EN 61373 + EN 45545-2	• 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	• 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	• USA: FCC 90Y + 15C + 15E (UNII 15.247) • Canada: IC RSS 102 + RSS 111 + RSS 247 • Europe: RED EN 301 489-1 + EN 301-489-17 + EN 300 328 + EN 301 893 + EN 302 502 • Railway: EN 50155 + EN 50121 + EN 61373	
Dimensions	• 10250 BSX: 14 x 14 x 3.40 in, 7.27 lbs	• MP-10100S-BSU/SUA : 9.84 x 8.66 x 2.83 in, 4.20 lbs • MP-10150S-BS9 : 14 x 14 x 3.40 in, 7.27 lbs • MP-10150S-SUR : 12 x 12 x 3.40 in, 5.30 lbs	• 10100L-BSU/SUA: 9.84 x 8.66 x 2.83 in, 4.20 lbs • 10150L-BS9: 14 x 14 x 3.40 in, 7.27 lbs • 10150L-BS1/SUR: 12 x 12 x 3.40 in, 5.30 lbs	• 10250-CPE/10150-CPE: 4.96 x 8.62 x 2.58 in, 2.10 lbs • 10200-CPA/10100-CPA: 5.02 x 8.68 x 2.85 in, 2.75 lbs	• 10100-SUA: 9.84 x 8.66 x 2.83 in, 5.07 lbs • 10150-BS1/SUR: 12 x 12 x 3.40 in, 6.17 lbs	• MP-1015-BS3/CPE : 6.7 x 8.55 x 2.2 in, 2.73 lbs
Product Models	• MP-10250-BSX • MP-10250-SRX	• MP-10100S-BSU-US • MP-10150S-BS9-US • MP-10100S-SUA-US • MP-10150S-SUR-US	• MP-10100L-BSU • MP-10100L-SUA • MP-10150L-BS9 • MP-10150L-SUR • MP-10150L-BS1	• MP-10150-CPE • MP-10100-CPA • MP-10250-CPE • MP-10200-CPA • MP-102x0-CPx-866-UPG • MP-102x0-CPx-AES256-UPG	• XP-10150-BS1 • XP-10100-SUA • XP-10150-SUR	• MP-1015-BS3-US • MP-1015-CPE-US

¹ A license upgrade to activate MU-MIMO 4x4:4 for higher throughput over the same occupied frequency band will be available in a future software release.