

At-a-Glance

Point-to-Multipoint product portfolio



	Tsunami™ MP-8200 Series	Tsunami™ MP-8100 Series		Tsunami™ MP.11 Series
Product	Tsunami™ MP-8200	Tsunami™ MP-8100/8150-SUR/8150-SUR-100	Tsunami™ 8160-BSU/SUA/CPE	Tsunami™ MP.11 5054-R/5012
Description	The Tsunami™ MP-8200, is a high power, extremely reliable and a cost-effective radio	4G wireless connectivity for carrier, WISP and Government networks	Cost-effective wireless customer premises equipment for large scale networks	Capabilities of fixed and mobile communication for license-free frequencies
Applications	<ul style="list-style-type: none"> • Intelligent transportation system • Video surveillance • Last mile • Emergency first responder • Enterprise campus connectivity • Health care • Carriers and Wisps 	<ul style="list-style-type: none"> • Cellular voice, video and data networks • Wireless connectivity for streaming video from surveillance cameras • WISP and Carriers • Security and surveillance networks • Government and public safety networks 	<ul style="list-style-type: none"> • Residential and business broadband Internet access • Voice, video and data networks • Carriers and WISP's • Government and public safety networks • Health care 	<ul style="list-style-type: none"> • Broadband last-mile access for metropolitan and rural areas • Voice, video and data transmission • Security and surveillance • Broadband access for ground and water transportation • Service provider and municipal broadband networks
Key Features	<ul style="list-style-type: none"> • 25.8 dBm (Triple chain) high power radio • Seamless roaming up to 112 Kmph • Interoperable with MP-8100 & MP.11 • Dual Gigabit Ethernet with PoE out • IP 67 Grade • Easy , quick installation and management • 3X3 MIMO technology 	<ul style="list-style-type: none"> • Widest range of operating frequencies • Supports 3x3, 2x2 MIMO smart antenna technology • Dual Gigabit Ethernet ports with PoE out to power other external devices like surveillance cameras • 21 dBm high power radio 	<ul style="list-style-type: none"> • Widest range of operating frequencies • Supports 2x2 MIMO smart antenna technology • Non-line-of-sight capabilities • 25 dBm high power radio 	<ul style="list-style-type: none"> • QoS for voice, data and video • Fast handoff for mobility up to 112kmph • Aggressive ROI and fast payback for network providers • Interoperability between MP.11 5054 and MP.11 5012
SPECIFICATIONS				
Frequency Band	• 4.900 - 5.925 GHz	• 2.3 – 2.5 GHz • 4.9 – 6.0 GHz (8150)	• 5.900 – 6.425 GHz Subject to Country Regulations	• 5 GHz
Wireless Protocol	• Wireless Outdoor Routing Protocol (WORP®)	• Wireless Outdoor Routing Protocol (WORP®)	• Wireless Outdoor Routing Protocol (WORP®)	• Wireless Outdoor Routing Protocol (WORP®)
Data Rate	• 300Mbps	• 300Mbps, 100Mbps (8150-SUR-100)	• 300Mbps	• 54Mbps
Throughput	• 240Mbps (3X3 MIMO)	• up to 200Mbps	• up to 200, 100Mbps (CPE)	• up to 29Mbps/12Mbps (MP.11 5012)
QoS	• 802.16d QoS	• 802.16d QoS	• 802.16d QoS	• 802.16d QoS
Security	<ul style="list-style-type: none"> • AES - 128 bits • Secure Management (SSL, SSH, SNMPv3) • Proprietary nature of RF protocol • Packet filtering, Intra-cell blocking 	<ul style="list-style-type: none"> • AES - 128 bits • Secure Management (SSL, SSH, SNMPv3) • Proprietary nature of RF protocol • Packet filtering, Intra-cell blocking 	<ul style="list-style-type: none"> • AES - 128 bits • Secure Management (SSL, SSH, SNMPv3) • Proprietary nature of RF protocol • Packet filtering, Intra-cell blocking 	<ul style="list-style-type: none"> • AES - 128 bits • Proprietary nature of RF protocol • Packet filtering, Intra-cell blocking
Form Factors	<ul style="list-style-type: none"> • Base: ODU with three N-type antenna connectors • Subscriber station: ODU with three N-type antenna connectors 	<ul style="list-style-type: none"> • Base: ODU, Three N-type Antennas Connectors • Subscriber station: ODU, Three N-type Antennas connectors (SUA) or Integrated 23 (SUR) /21 dBi (8150 SUR 100) dual polarity antenna 	<ul style="list-style-type: none"> • Base: ODU, Two N-type Antennas Connectors • Subscriber station: ODU, Two N-type Antennas connectors (SUA) • CPE ODU, Integrated 15 dBi antenna 	<ul style="list-style-type: none"> • Base: ODU, One N-type Antennas Connectors • Subscriber station: ODU, One N-type Antennas Connectors (SUA) or Integrated 23 dBi Antenna (SUR) • Outdoor Subscriber (MP.11 5012): Integrated 18 dBi antenna