



	MeshMAX™ Series	Tsunami™ MP.16 Series	Tsunami™ MP.11 Series		
Product	3500WM, 3500W, 5054WM, 5054W	MP.16 3500	MP.11 4954-R	MP.11 2454-R/5054-R	MP.11 5012
Description	Industry's first convergence of WiMAX, Wi-Fi® Mesh and Wi-Fi	WiMAX Forum Certified™ products for 3.5 GHz frequency band	Capabilities of fixed and mobile WiMAX for public safety	Capabilities of fixed and mobile WiMAX for license-free frequencies	Economical subscribers ideal for large scale deployments
Applications	<ul style="list-style-type: none"> Network operator can deliver bundle of IPTV, VoIP and Internet access to subscribers Secure and reliable backhaul of Wi-Fi Mesh traffic Security and surveillance 	<ul style="list-style-type: none"> Broadband last-mile access for metropolitan and rural areas Voice, video and data transmission with optimal economics Security and surveillance 	<ul style="list-style-type: none"> Transmission of critical data and video from emergency first responder vehicles Real-time delivery of IP-surveillance video from security cameras 	<ul style="list-style-type: none"> Broadband last-mile access for metropolitan and rural areas Voice, video and data transmission with optimal economics Security and surveillance 	<ul style="list-style-type: none"> Broadband last-mile access for metropolitan and rural areas Voice, video and data transmission with optimal economics
Environments	<ul style="list-style-type: none"> Municipal, rural and service provider broadband networks Enterprise campus networks 	<ul style="list-style-type: none"> Service provider and municipal broadband networks Security and surveillance 	<ul style="list-style-type: none"> Public safety broadband networks Broadband access for emergency first responders Security and surveillance 	<ul style="list-style-type: none"> Service provider and municipal broadband networks Broadband access for ground and water transportation Security and surveillance 	<ul style="list-style-type: none"> Service provider and municipal broadband networks Broadband access for residential market
Key Features	<ul style="list-style-type: none"> Tri-radio design provides WiMAX backhaul, Wi-Fi Mesh link and Wi-Fi access in one device Simplifies network architecture, deployment and management Significantly reduces TCO with lowest deployment cost per square mile 	<ul style="list-style-type: none"> Product complies with IEEE 802.16 - 2004 standard WiMAX QoS for voice, data and video All-in-one, outdoor base station delivers scalable solution by allowing single sector deployments to grow into multi-sector deployments 	<ul style="list-style-type: none"> WiMAX capabilities for 4.9 GHz frequency band for public safety WiMAX QoS for voice, data and video Fast handoffs for mobility up to 200 km/hr 	<ul style="list-style-type: none"> WiMAX capabilities for license-free frequency bands WiMAX QoS for voice, data and video Fast handoffs for mobility up to 200 km/hr 	<ul style="list-style-type: none"> Aggressive ROI and fast payback for network providers Compatible with existing MP.11 5054 products Throughput comparable to or better than cable/DSL
SPECIFICATIONS					
Frequency Band	<ul style="list-style-type: none"> 3.5 GHz or 5.15-5.85 GHz (WiMAX link) 5.15-5.85 GHz (Mesh link) 2.4 GHz or 5.15-5.85 GHz (Wi-Fi access) 	3.40 - 3.60 GHz	4.94-4.99 GHz	<ul style="list-style-type: none"> 2.4 GHz (2454-R) 5.25-5.35 GHz (5054-R) 5.4-5.7 GHz (5054-R) 5.725-5.850 GHz (5054-R) 	<ul style="list-style-type: none"> 5.15-5.35 GHz, 5.47-5.725 GHz and 5.725-5.850 GHz
Wireless Protocol	<ul style="list-style-type: none"> 802.16-2004 or WORM (WiMAX) 802.11a (Wi-Fi and Mesh) 802.11b/g (Wi-Fi) 	802.16-2004	Wireless Outdoor Routing Protocol (WORM; proprietary)	Wireless Outdoor Routing Protocol (WORM; proprietary)	Wireless Outdoor Routing Protocol (WORM; proprietary)
Data Rate	<ul style="list-style-type: none"> 25.4 Mbps (3.5 GHz) 54 Mbps (5.15-5.85 GHz and 2.4 GHz) 	25.4 Mbps	54 Mbps	54 Mbps	12 Mbps
QoS	802.16d QoS (WiMAX); Draft 802.11e, 802.1p, 802.1q (Wi-Fi Mesh)	802.16d QoS (WiMAX)	802.16d QoS (WiMAX)	802.16d QoS (WiMAX)	802.16d QoS (WiMAX)
Security	<ul style="list-style-type: none"> AES (WiMAX) 802.11i, AES, TKIP (Wi-Fi Mesh) 	<ul style="list-style-type: none"> AES Radius base authentication of subscribers based on MAC address 	<ul style="list-style-type: none"> AES Proprietary nature of RF protocol Packet filtering, Intracell blocking 	<ul style="list-style-type: none"> AES Proprietary nature of RF protocol Packet filtering, Intracell blocking 	<ul style="list-style-type: none"> AES Proprietary nature of RF protocol Packet filtering, Intracell blocking
Form Factors	ODU tri-radio device, 3 x Type-N connectors	<ul style="list-style-type: none"> Base: ODU, N-connector Subscriber station: ODU, N-connector or Integrated 21 dBi Antenna 	<ul style="list-style-type: none"> Base: ODU, N-connector Subscriber station: ODU, N-connector or Integrated 21 dBi Antenna 	<ul style="list-style-type: none"> Base: ODU, N-connector Subscriber station: ODU, N-connector or Integrated 18 or 23 dBi Antenna Indoor Subscriber 	<ul style="list-style-type: none"> Indoor Subscriber: Bundled with 15 dBi Window Antenna Outdoor Subscriber: Integrated 18 dBi Antenna

For detailed technical specifications, please visit http://www.proxim.com/products/landing_wimax.html