Proxim Wireless At-a-Glance
Wi-Fi® Mesh Product Portfolio

	MeshMax™ Series	ORiNOCO® Wi-Fi® Mesh Series		ORiNOCO® Public Safety Wi-Fi® Mesh Series	
Product	3500WM, 3500W, 5054WM, 5054W	AP-4000MR(-LR)	AP-4000M/AP-4000	AP-4900MR-LR	AP-4900M
Description	Industry's first convergence of WiMAX, Wi-Fi Mesh and Wi-Fi	High-capacity, multiple-use outdoor Wi-Fi mesh system	Dual-radio enterprise-class indoor AP with QoS, simultaneous a/b/g support and enhanced security	High-capacity, outdoor Wi-Fi Mesh system for Public Safety applications	Dual-radio indoor AP with QoS, simultaneous a/b/g support and enhanced security for public safety
Applications	• 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	• Metro-area Wi-Fi coverage with fully redundant wireless backbone • Mobile wireless networking at edge of network • Voice, video and data transmission with optimal economics	• LAN extension for nomadic access to corporate network, Internet and e-mail • Hotspot • Guest access to Internet • Voice, video and data	• Metro-area and mobile Wi-Fi coverage using 4.9 GHz U.S. public safety • Voice, video and data transmission for mobile public safety vehicles	• Metro-area and mobile Wi-Fi coverage using 4.9 GHz U.S. public safety • Voice, video and data transmission for mobile public safety vehicles
Environments	• Municipal, rural and service provider broadband networks • Enterprise campus networks	• Municipal and rural broadband networks • Service provider broadband networks • Enterprise campus networks	• Enterprises • Hotspots: retail, hotel, airport • K-12 and higher education	• Municipal and rural broadband networks • Public safety networks including fire, police and emergency first responders • Security and surveillance	• Municipal and rural broadband networks • Public safety networks including fire, police and emergency first responders • Security and surveillance
Key Features	• 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	• Dual-radio outdoor access point • 802.11b/g Wi-Fi access • ORiNOCO Mesh Creation Protocol (OMCP) for backhaul at 5 GHz • Fast handoffs for mobility • Secure management • Enterprise class security • Extended range (-LR Models) • QoS	• Dual-radio design offers operational flexibility and high capacity • User-selectable 802.11a, b or g operation • IEEE 802.11i and AES encryption • QoS for latency-sensitive voice, data and video applications	• Dual-radio outdoor access point • 802.11b/g Wi-Fi access • ORiNOCO Mesh Creation Protocol (OMCP) for backhaul at 4.9 GHz • Fast handoffs for mobility • Secure management • Enterprise class security • Extended range • QoS	• Dual-radio indoor base station • 802.11b/g Wi-Fi access • ORiNOCO Mesh Creation Protocol (OMCP) for backhaul at 4.9 GHz • Fast handoffs for mobility • Secure management • Enterprise class security • QoS
SPECIFICATIONS					
Frequency Band	• 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)	• 2.4 GHz or 5.15-5.85 GHz for access • 5.47-5.725 GHz for backhaul (AP-4000MR) • 5.745-5.85 GHz for backhaul (AP-4000MR-LR)	• 2.4 GHz for access • 5.15-5.85 GHz for backhaul	• 2.4 GHz for access • 4.9 GHz for backhaul	• 2.4 GHz for access • 4.9 GHz for backhaul
RF Protocol	• 802.16-2004 or WORP (WiMAX) • 802.11a (Wi-Fi and Mesh) • 802.11a, 802.11b/g (Wi-Fi)	• 802.11b/g • 802.11a	• 802.11b/g • 802.11a	• 802.11b/g • 802.11a	• 802.11b/g • 802.11a
Data Rate	25.4 Mbps (3.5 GHz) 54 Mbps (5.15-5.85 GHz and 2.4GHz)	54 Mbps	54 Mbps	54 Mbps	54 Mbps
QoS	• 802.16d QoS (WiMAX) • Draft 802.11e; 802.1p; 802.1q (Wi-Fi Mesh)	Draft 802.11e; 802.1p; 802.1q	Draft 802.11e; 802.1p, 802.1q	Draft 802.11e; 802.1p; 802.1q	Draft 802.11e; 802.1p; 802.1q
Security	• AES (WiMAX) • 802.11i, AES, TKIP (Wi-Fi Mesh)	• 802.11i • AES Encryption, TKIP	• 802.11i • AES Encryption, TKIP	• 802.11i • AES Encryption, TKIP	• 802.11i • AES Encryption, TKIP
Form Factors	ODU tri-radio device, 3 x Type-N connectors	ODU dual-radio, 2 x Type-N connectors	IDU with external antenna connectors	ODU dual-radio, 2 x Type-N connectors	IDU with external antenna connectors

For detailed technical specifications, please go to **http://www.proxim.com/products/meshmax**

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