	ORiNOCO® Wi-Fi® Mesh Series & Access Points				Client Adapter
Product	AP-4000MR(-LR)	AP-4000M/AP-4000	AP-800, AP-8000	AP-700	11a/b/g/n USB Client Adapter
Description	High-capacity, multi-purpose outdoor Wi-Fi mesh system	Dual-radio enterprise-class indoor AP with QoS, simultaneous a/b/g support and enhanced security	Single and Dual-radio enterprise-class indoor 802.11n access point with QoS, simultaneous a/b/g/n support and enhanced security	Enterprise-class indoor 802.11 a/b/g access point with QoS, and AES enhanced security	Flexible 802.11a/b/g/n USB Client adapter for Wi-Fi connectivity from any laptop or desktop
Applications	• Metro-area Wi-Fi coverage with fully redundant wireless backbone • Mobile wireless networking at edge of network • Voice, video and data transmission with optimal performance	• LAN extension for nomadic access to corporate network, Internet and e-mail • Hotspot and Mesh deployments • Guest access to Internet • Voice, video and data	• Enable office workers to be mobile while delivering greater throughput performance than at their desks • Video and high-speed broadband access solutions for municipalities, public access and local businesses	• Hotspots • LAN extension for nomadic access to corporate network,Internet and e-mail • Guest access to Internet • Voice, video and data	• Adds fastst 802.11n mobile connectivity to any laptop or desktop computer • Continuous connectivity even away from the desk
Environment	• Municipal and rural broadband networks • Service provider broadband networks • Enterprise campus networks	• Enterprises • Hotspots: retail, hotel, airport • K-12 and higher education	• Enterprises • Hotspots: retail, hotel, airport • K-12 and higher education • Enterprise metro-area networks	• Enterprises • Hotspots: retail, hotel, airport • K-12 and higher education • Enterprise metro-area networks	• Individual user • Enterprise end-user • Municipal/public safety worker
Key Features	• 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 coverage	• 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	• Over 300 Mbps throughputs • 2x3 MIMO support • Dual-radio design offers operational flexibility and high capacity • Operates in 802.11a/b/g/n mode • AES, WPA2, 802.1x, 802.11i	• IEEE 802.11i and AES encryption • Pre-standard IEEE 802.11e quality of service support for latency-sensitive applications • Operates in 802.11a/b/g mode • Sophisticated hotspot interfaces with Radius integration	• Secure, reliable connection from any desktop or laptop • Operates in 802.11a/b/g/n mode • AES, WPA2, 802.1x, 802.11i • 802.11d global roaming • Base stand allow versatile installation for optimal connection
SPECIFICATIONS					
Frequency Band	• 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 or Wi-Fi access	• 2.4-2.483,5.15-6.08Ghz for access • 802.11b/g/n • 802.11a/n	• 802.11b/g: 2.4 GHz • 802.11a: 5.15-5.85 GHz (U-NII)	• 802.11a/b/g/n: 2.4 and 5 GHz
RF Protocol	• 802.11b/g • 802.11a	• 802.11b/g • 802.11a	• 802.11b/g/n • 802.11a	• 802.11b/g • 802.11a	• 802.11b/g/n • 802.11a/n
Data Rate	• 54Mbps	• 54 Mbps	• 600 Mbps (AP-8000) ,300 Mbps (AP-800)	• 54Mbps	• 300 Mbps
QoS	• WMM; 802.1p; 802.1q	• WMM; 802.1p, 802.1q	• WMM;802.1p	• WMM;802.1p	• WMM;802.1p
Security	• 802.11i - WPA/WPA2 • AES Encryption, TKIP/CCMP	• 802.11i - WPA/WPA2 • AES Encryption, TKIP/CCMP	• AES/CCMP/TKIP • WPA/WPA2 (Wi-Fi Protected Access) • 802.11i • WEP (64 and 128 bit)	• 802.11i - WPA/WPA2 • AES/CCMP/TKIP • 802.1x	• AES • 802.11i - WPA/WPA2 • WEP (64 and 128 bit)
Form Factors	• ODU dual-radio, 2 x Type-N connectors	• IDU with external antenna connectors	• IDU with external antenna connectors	• IDU with external antenna connectors	• NA

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