

At-a-Glance

Enterprise Wireless LAN / Wi-Fi Mesh



	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	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> LAN extension for nomadic access to corporate network, Internet and e-mail Hotspot and Mesh deployments Guest access to Internet Voice, video and data 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Hotspots LAN extension for nomadic access to corporate network, Internet and e-mail Guest access to Internet Voice, video and data 	<ul style="list-style-type: none"> Adds fastst 802.11n mobile connectivity to any laptop or desktop computer Continuous connectivity even away from the desk
Environment	<ul style="list-style-type: none"> Municipal and rural broadband networks Service provider broadband networks Enterprise campus networks 	<ul style="list-style-type: none"> Enterprises Hotspots: retail, hotel, airport K-12 and higher education 	<ul style="list-style-type: none"> Enterprises Hotspots: retail, hotel, airport K-12 and higher education Enterprise metro-area networks 	<ul style="list-style-type: none"> Enterprises Hotspots: retail, hotel, airport K-12 and higher education Enterprise metro-area networks 	<ul style="list-style-type: none"> Individual user Enterprise end-user Municipal/public safety worker
Key Features	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> 2.4 GHz for access 5.15-5.85 GHz for backhaul or Wi-Fi access 	<ul style="list-style-type: none"> 2.4-2.483,5.15-6.08GHz for access 802.11b/g/n 802.11a/n 	<ul style="list-style-type: none"> 802.11b/g: 2.4 GHz 802.11a: 5.15-5.85 GHz (U-NII) 	<ul style="list-style-type: none"> 802.11a/b/g/n: 2.4 and 5 GHz
RF Protocol	<ul style="list-style-type: none"> 802.11b/g 802.11a 	<ul style="list-style-type: none"> 802.11b/g 802.11a 	<ul style="list-style-type: none"> 802.11b/g/n 802.11a 	<ul style="list-style-type: none"> 802.11b/g 802.11a 	<ul style="list-style-type: none"> 802.11b/g/n 802.11a/n
Data Rate	<ul style="list-style-type: none"> 54Mbps 	<ul style="list-style-type: none"> 54 Mbps 	<ul style="list-style-type: none"> 600 Mbps (AP-8000), 300 Mbps (AP-800) 	<ul style="list-style-type: none"> 54Mbps 	<ul style="list-style-type: none"> 300 Mbps
QoS	<ul style="list-style-type: none"> WMM; 802.1p; 802.1q 	<ul style="list-style-type: none"> WMM; 802.1p, 802.1q 	<ul style="list-style-type: none"> WMM;802.1p 	<ul style="list-style-type: none"> WMM;802.1p 	<ul style="list-style-type: none"> WMM;802.1p
Security	<ul style="list-style-type: none"> 802.11i - WPA/WPA2 AES Encryption, TKIP/CCMP 	<ul style="list-style-type: none"> 802.11i - WPA/WPA2 AES Encryption, TKIP/CCMP 	<ul style="list-style-type: none"> AES/CCMP/TKIP WPA/WPA2 (Wi-Fi Protected Access) 802.11i WEP (64 and 128 bit) 	<ul style="list-style-type: none"> 802.11i - WPA/WPA2 AES/CCMP/TKIP 802.1x 	<ul style="list-style-type: none"> AES 802.11i - WPA/WPA2 WEP (64 and 128 bit)
Form Factors	<ul style="list-style-type: none"> ODU dual-radio, 2 x Type-N connectors 	<ul style="list-style-type: none"> IDU with external antenna connectors 	<ul style="list-style-type: none"> IDU with external antenna connectors 	<ul style="list-style-type: none"> IDU with external antenna connectors 	<ul style="list-style-type: none"> NA