

At-a-Glance

Enterprise Wireless LAN / Wi-Fi Mesh



	ORiNOCO® Wi-Fi® Mesh Series & Access Points			Client Adapter
Product	AP-8100	AP-4000M/AP-4000	AP-4900M	11a/b/g/n USB Client Adapter
Description	Dual-radio enterprise-class indoor 802.11n access point with QoS, simultaneous a/b/g/n support and enhanced security	Dual-radio enterprise-class indoor AP with QoS, simultaneous a/b/g support and enhanced security	High-capacity, multi-purpose indoor Wi-Fi mesh system	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"> • Video and high-speed broadband access solutions for QoS intensive applications in enterprises and local businesses • Enable office workers to be mobile while delivering greater throughput performance than at their desks 	<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"> • Wi-Fi coverage with fully redundant wireless backbone • Voice, video and data transmission with optimal performance • Public safety & Wi-Fi deployment 	<ul style="list-style-type: none"> • Adds fastest 802.11n mobile connectivity to any laptop or desktop computer • Continuous connectivity even away from the desk
Environment	<ul style="list-style-type: none"> • Enterprise campus networks • Airport, retail, hotel, health care • Enterprises and organizations • K-12 and higher education 	<ul style="list-style-type: none"> • Enterprises • Retail, hotel, airport • K-12 and higher education 	<ul style="list-style-type: none"> • Enterprise campus networks • Emergency response • Metro Wi-Fi mesh 	<ul style="list-style-type: none"> • Individual user • Enterprise end-user • Municipal/public safety worker
Key Features	<ul style="list-style-type: none"> • Over 300 Mbps throughputs • 2x2 MIMO support • Dual-radio design offers operational flexibility and high capacity • Operates in 802.11a/b/g/n mode 	<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"> • Dual-radio outdoor access point • 802.11b/g Wi-Fi access • ORiNOCO Mesh Creation Protocol (OMCP) • Secure management • Enterprise class security • Extended coverage 	<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"> • 2.4-2.484, 5.15-5.850GHz for access • 802.11b/g/n • 802.11a/n 	<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"> • 2.472 to 2.462 GHz • 5.25 to 5.35 GHz and 5.725 to 5.85 GHz • 4.9 GHz 4.94 to 4.99 GHz (FCC Only) 	<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/n • 802.11a 	<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/n
Data Rate	<ul style="list-style-type: none"> • 300 Mbps 	<ul style="list-style-type: none"> • 54 Mbps 	<ul style="list-style-type: none"> • 54 Mbps 	<ul style="list-style-type: none"> • 300 Mbps
QoS	<ul style="list-style-type: none"> • 802.11e 	<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
Security	<ul style="list-style-type: none"> • WEP, TKIP and AES, based on 802.11i standard 	<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 • 802.11i - WPA/WPA2 • WEP (64 and 128 bit)
Form Factors	<ul style="list-style-type: none"> • IDU with integrated antenna 	<ul style="list-style-type: none"> • IDU with external antenna connectors 	<ul style="list-style-type: none"> • Dual-radio, with external antenna connectors 	<ul style="list-style-type: none"> • NA