

# At-a-Glance

## Enterprise Wireless LAN / Wi-Fi Mesh



				Client Adapter
<b>Product</b>	AP-8100	AP-4000M/AP-4000	AP-4900M	11a/b/g/n USB Client Adapter
<b>Description</b>	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
<b>Applications</b>	<ul style="list-style-type: none"> <li>• Video and high-speed broadband access solutions for QoS intensive applications in enterprises and local businesses</li> <li>• Enable office workers to be mobile while delivering greater throughput performance than at their desks</li> </ul>	<ul style="list-style-type: none"> <li>• LAN extension for nomadic access to corporate network, Internet and e-mail</li> <li>• Hotspot and Mesh deployments</li> <li>• Guest access to Internet</li> <li>• Voice, video and data</li> </ul>	<ul style="list-style-type: none"> <li>• Wi-Fi coverage with fully redundant wireless backbone</li> <li>• Voice, video and data transmission with optimal performance</li> <li>• Public safety &amp; Wi-Fi deployment</li> </ul>	<ul style="list-style-type: none"> <li>• Adds fastest 802.11n mobile connectivity to any laptop or desktop computer</li> <li>• Continuous connectivity even away from the desk</li> </ul>
<b>Environment</b>	<ul style="list-style-type: none"> <li>• Enterprise campus networks</li> <li>• Airport, retail, hotel, health care</li> <li>• Enterprises and organizations</li> <li>• K-12 and higher education</li> </ul>	<ul style="list-style-type: none"> <li>• Enterprises</li> <li>• Retail, hotel, airport</li> <li>• K-12 and higher education</li> </ul>	<ul style="list-style-type: none"> <li>• Enterprise campus networks</li> <li>• Emergency response</li> <li>• Metro Wi-Fi mesh</li> </ul>	<ul style="list-style-type: none"> <li>• Individual user</li> <li>• Enterprise end-user</li> <li>• Municipal/public safety worker</li> </ul>
<b>Key Features</b>	<ul style="list-style-type: none"> <li>• Over 300 Mbps throughputs</li> <li>• 2x2 MIMO support</li> <li>• Dual-radio design offers operational flexibility and high capacity</li> <li>• Operates in 802.11a/b/g/n mode</li> </ul>	<ul style="list-style-type: none"> <li>• Dual-radio design offers operational flexibility and high capacity</li> <li>• User-selectable 802.11a, b or g operation</li> <li>• IEEE 802.11i and AES encryption</li> <li>• QoS for latency-sensitive voice, data and video applications</li> </ul>	<ul style="list-style-type: none"> <li>• Dual-radio outdoor access point</li> <li>• 802.11b/g Wi-Fi access</li> <li>• ORiNOCO Mesh Creation Protocol (OMCP)</li> <li>• Secure management</li> <li>• Enterprise class security</li> <li>• Extended coverage</li> </ul>	<ul style="list-style-type: none"> <li>• Secure, reliable connection from any desktop or laptop</li> <li>• Operates in 802.11a/b/g/n mode</li> <li>• AES, WPA2, 802.1x, 802.11i</li> <li>• 802.11d global roaming</li> <li>• Base stand allow versatile installation for optimal connection</li> </ul>
<b>SPECIFICATIONS</b>				
<b>Frequency Band</b>	<ul style="list-style-type: none"> <li>• 2.4-2.484,5.15-5.850GHz for access</li> <li>• 802.11b/g/n</li> <li>• 802.11a/n</li> </ul>	<ul style="list-style-type: none"> <li>• 2.4 GHz for access</li> <li>• 5.15-5.85 GHz for backhaul or Wi-Fi access</li> </ul>	<ul style="list-style-type: none"> <li>• 2.472 to 2.462 GHz</li> <li>• 5.25 to 5.35 GHz and 5.725 to 5.85 GHz</li> <li>• 4.9 GHz 4.94 to 4.99 GHz (FCC Only)</li> </ul>	<ul style="list-style-type: none"> <li>• 802.11a/b/g/n: 2.4 and 5 GHz</li> </ul>
<b>RF Protocol</b>	<ul style="list-style-type: none"> <li>• 802.11b/g/n</li> <li>• 802.11a</li> </ul>	<ul style="list-style-type: none"> <li>• 802.11b/g</li> <li>• 802.11a</li> </ul>	<ul style="list-style-type: none"> <li>• 802.11b/g</li> <li>• 802.11a</li> </ul>	<ul style="list-style-type: none"> <li>• 802.11b/g/n</li> <li>• 802.11a/n</li> </ul>
<b>Data Rate</b>	<ul style="list-style-type: none"> <li>• 300 Mbps</li> </ul>	<ul style="list-style-type: none"> <li>• 54 Mbps</li> </ul>	<ul style="list-style-type: none"> <li>• 54 Mbps</li> </ul>	<ul style="list-style-type: none"> <li>• 300 Mbps</li> </ul>
<b>QoS</b>	<ul style="list-style-type: none"> <li>• 802.11e</li> </ul>	<ul style="list-style-type: none"> <li>• WMM; 802.1p, 802.1q</li> </ul>	<ul style="list-style-type: none"> <li>• WMM; 802.1p; 802.1q</li> </ul>	<ul style="list-style-type: none"> <li>• WMM;802.1p</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>• WEP, TKIP and AES, based on 802.11i standard</li> </ul>	<ul style="list-style-type: none"> <li>• 802.11i - WPA/WPA2</li> <li>• AES Encryption, TKIP/CCMP</li> </ul>	<ul style="list-style-type: none"> <li>• 802.11i - WPA/WPA2</li> <li>• AES Encryption, TKIP/CCMP</li> </ul>	<ul style="list-style-type: none"> <li>• AES</li> <li>• 802.11i - WPA/WPA2</li> <li>• WEP (64 and 128 bit)</li> </ul>
<b>Form Factors</b>	<ul style="list-style-type: none"> <li>• IDU with integrated antenna</li> </ul>	<ul style="list-style-type: none"> <li>• IDU with external antenna connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Dual-radio, with external antenna connectors</li> </ul>	<ul style="list-style-type: none"> <li>• NA</li> </ul>