



ORiNOCO® 802.11a/b/g/n USB

### Highest Wi-Fi Security Standards

Like all ORiNOCO® Wi-Fi solutions, the 802.11n USB Client Adapter provides the most advanced multilevel, enterprise-class security capabilities.

- Enterprise-class 802.1x authentication
- WEP, TKIP and AES encryptions
- Wi-Fi Protected Access (WPA2 and WPA) support

### High Speed, Extended Range, Flexible and Secure 802.11n Wireless Connectivity for Laptop or Desktop Computers

The ORiNOCO® 802.11a/b/g/n USB Client Adapter enables a high performance, secure and reliable connection to a WLAN network from any laptop or desktop computer that supports a USB port. With wireless networking data rates reaching 300 Mbps using 802.11n technology, this dual band 802.11a/b/g/n adapter enables seamless roaming between 5GHz 802.11a and 2.4GHz 802.11b/g networks, allowing users to move between home, work and public Wi-Fi spaces with better range and throughput while giving maximum flexibility and backward compatibility with legacy 802.11a/b/g networks.

The ORiNOCO® 802.11 a/b/g/n USB Client Adapter sets new standards in throughput and range to deliver the ultimate wireless triple play experience for video, voice, and data transmission in the home, for the business, and on the road. Its 2x2 MIMO architecture maximizes link data rates up to 300Mbps and very effectively manages the 802.11n radio signal to optimize for higher throughputs over long range. Designed for versatile installations, the USB Client Adapter features a sleek design for laptop users and a base stand with an integrated USB cable for desktop users.

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### Higher Performance than Existing Wired LANs/WLANs

Proxim's ORiNOCO® 802.11n products enable enterprises of all size to finally unwire the wired LAN by providing greater performance than existing Ethernet networks.

- ORiNOCO® 802.11 a/b/g/n adapter compliments the extended throughput and range of the ORiNOCO® AP-800 and AP-8000
- Best in class throughput exceeding 150 Mbps
- High reliability for quad play applications
- Certified to work for the entire 5 GHz spectrum worldwide.
- The Adapter supports WEP (64 and 128 bit), WPA and WPA2/802.11i wireless security protocols.

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### Features

- Dual mode 802.11a/b/g/n support
- USB Adapter and/or Base Stand plug directly into USB 2.0 compliant port
- Enables bandwidth of up to 300Mbps, six times the throughput of 802.11a and 802.11g
- QoS support based on Wi-Fi Multimedia (WMM) specifications
- Backward compatible with legacy IEEE 802.11a/b/g infrastructure
- Optimized for maintaining higher and reliable throughputs over a wider range
- Supports Windows® 2000, XP and Vista
- Intuitive ORiNOCO® client utility for easy , fast configuration
- Wi-Fi certified
- RoHS compliant

<b>RADIO</b>	USB
<b>STANDARD</b>	Conforms to USB standard 2.0, 802.11n draft 2.0, 802.11a, 802.11b and 802.11g
<b>COMPLIANCE</b>	FCC, IC, CE, ETSI, TELECOM, RoHS
<b>RADIO &amp; TRANSMISSION</b>	
<b>RADIO</b>	Single 802.11a/b/g/n radio 2x2 MIMO
<b>RADIO CONFIGURATIONS</b>	1 x 802.11b/g/n 1 x 802.11a/n
<b>FREQUENCY BAND</b>	5.15 – 5.85 GHz (subject to country regulations) 2.40 – 2.483 GHz
<b>MODULATION TECHNIQUES</b>	MSC0 - MSC15 for 802.11n (6.5Mbps - 300Mbps) BPSK, QPSK, 16-QAM and 64-QAM for 802.11a and 802.11g (6Mbps-54Mbps) DSSS for 802.11b (1Mbps-11Mbps)
<b>MEDIA ACCESS</b>	CSMA/CA (Collision Avoidance) with ACK
<b>MAXIMUM TRANSMIT POWER</b>	802.11n: 18dBm 802.11a: 17dBm 802.11b/g: 18dBm
<b>DATA SPEEDS (AUTOMATIC FALLBACK FOR EXTENDED RANGE)</b>	802.11a Mode: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11b Mode: 1, 2, 5.5 and 11Mbps 802.11g Mode: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n Mode: 6, 6.5, 13, 13.5, 19.5, 26, 27, 39, 40.5, 53, 54, 58.5, 65, 78, 81, 104, 108, 117, 121.5, 130, 135, 162, 216, 243, 270, 300 Mbps
<b>ANTENNA</b>	Two 2.4/5.0GHz IFA 0 dBi Printed Antenna on board.
<b>PHYSICAL SPECS</b>	
<b>DIMENSIONS:</b>	
<b>PACKAGED</b>	68.58mm(L) x 24.31mm(W) x 10.0mm(H)
<b>WEIGHT:</b>	
<b>PACKAGED</b>	0.8OZ (22.68 g)
<b>ENVIRONMENTAL SPECS</b>	
<b>TEMPERATURE:</b>	
<b>OPERATING</b>	0°C to 55°C
<b>STORAGE</b>	-20°C to 80°C
<b>HUMIDITY:</b>	
<b>OPERATING</b>	15% to 95% (non-condensing)
<b>STORAGE</b>	Max 95% (non-condensing) 802.3af
<b>LEDS</b>	
<b>1 LEDS</b>	Active: green color, Transmission: blinking
<b>OPERATING SYSTEM</b>	Microsoft® Windows® Vista™, XP, 2000 SP4
<b>SECURITY</b>	
<b>802.1X SUPPORT</b>	EAP – TLS, TTLS, MDS, PEAP, LEAP
<b>WI-FI PROTECTED ACCESS</b>	WPA2-PSK, WPA-PSK
<b>ENCRYPTION</b>	WEP (64 and 128 bit), TKIP, AES-CCMP
<b>MTBF</b>	>250,000 hours based on work load
<b>WARRANTY</b>	1-year
<b>PACKAGE CONTENTS</b>	<ul style="list-style-type: none"> <li>• USB Client Adapter, 802.11a/b/g/n</li> <li>• Base Stand with integrated USB cable (Type-A connector)</li> <li>• Quick Installation Guide</li> <li>• CD-ROM with software and documentation</li> </ul>
<b>ORDERING INFORMATION</b>	
<b>8494-WD</b>	ORINOCO® 802.11a/b/g/n USB Client Adapter - World,
<b>8494-US</b>	ORINOCO® 802.11a/b/g/n USB Client Adapter - US,
<b>8494-JP</b>	ORINOCO® 802.11a/b/g/n USB Client Adapter - JP
<b>RELATED PRODUCTS</b>	AP-800, AP-8000, AP-700, AP-4000, AP-4000M, AP-4000MR, AP-4000MR-LR, AP-4900MR-LR

### Applications

#### • Enterprises –

Improved productivity with high performance, secure, reliable and long range wireless access for Internet email and Wireless VOIP inside buildings and around the campus

#### • Universities –

With added range and throughput connectivity in dorms, classrooms and offices will be flexible, immediate and more reliable than ever

#### • Metro Hotspot –

High performance wireless internet access for patrons in public areas

#### • Home Users –

Connect to a wireless access point with high reliability for quad play applications and high speed Internet access



For detailed technical specifications, please go to <http://proxim.com/products/enterprise-wireless-lan-wi-fi-mesh/orinocor-client-products/orinocor-80211abgn-usb-adapter>

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