USB Client with Base Stand for PC Users

Wireless Access for Laptop Users

ORiNOCO Wireless LAN

ORiNOCO® wireless LAN products deliver enterprise-class 802.11 a/b/g functionality, standards based networking, capacity, security and Quality of Service.
This portfolio includes:

- **ORiNOCO Client Products –** Ultimate flexibility to connect to any Wi-Fi® network
- **ORiNOCO Access Points –** Enterprise-class AP with QoS support and mesh capabilities
- **ORiNOCO Wi-Fi Mesh –** Outdoor and indoor Wi-Fi mesh for service providers and municipalities

Flexible, convenient and secure 802.11b/g wireless connectivity for Laptop or Desktop Computers

The ORiNOCO 802.11b/g USB Client Adapter enables a secure, reliable connection to a WLAN network from any laptop or desktop computer that supports USB 2.0 or USB 1.1. With wireless networking data rates up to 54 Mbps, the dual band radio allows seamless roaming between 802.11b and 802.11g networks, allowing users to move between home, work and public Wi-Fi® spaces with connection to the Internet. Designed for versatile installations and providing optimal connections, the USB features an adjustable antenna with double swivel design for laptop users and a base stand with integrated USB cable for desktop users.
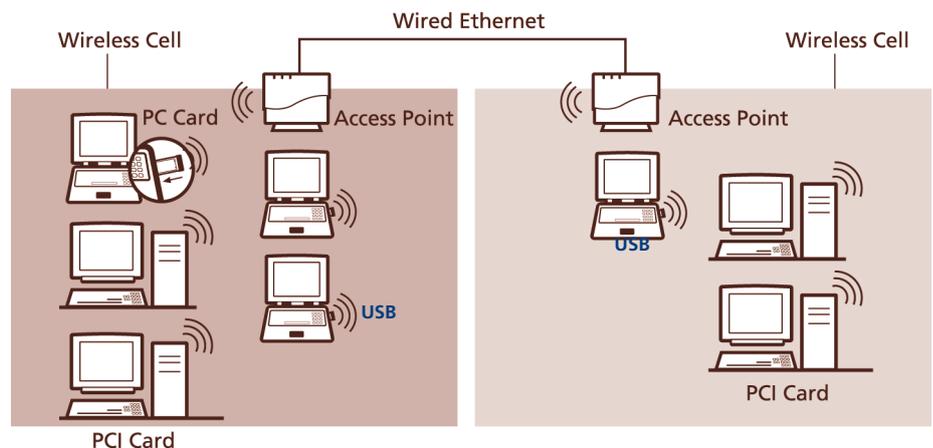
Features

- Dual mode 802.11b/g support
- USB adapter and/or Base stand plug directly into USB 2.0 or 1.1 compliant port on a laptop or desktop
- QoS support based on Wi-Fi Multimedia (WMM) specifications
- Double swivel, omni-directional antenna allows versatile antenna positioning
- Simultaneous support for 802.11g infrastructure within legacy 802.11b networks
- For use with Windows 2000 and XP
- Intuitive client utility for easy, fast configuration
- Wi-Fi certified
- RoHS compliant

Highest Wi-Fi Security Standards

Like all ORiNOCO Wi-Fi solutions, the USB Client Adapter provides the most advanced multi-level, enterprise-class security capabilities.

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

PRODUCT MODELS	
8474-FC	ORiNOCO 802.11b/g USB Client Adapter- FCC
8474-WD	ORiNOCO 802.11b/g USB Client Adapter- World
INTERFACE	
INTERFACE	USB
STANDARD	Conforms to USB standard 1.1 and 2.0
COMPLIANCE	FCC, ETSU, UL, CE, RoHS
RADIO CHARACTERISTICS	
FREQUENCY	2400 -2483.5 MHz
MODULATION TECHNIQUES	802.11g Orthogonal Frequency Division Modulation (64 QAM, QPSK, BPSK) 802.11b Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)
MEDIA ACCESS PROTOCOL	CSMA/CA (Collision Avoidance) with ACK
MAXIMUM OUTPUT POWER	17 dBm
DATA SPEEDS (AUTOMATIC FALLBACK FOR EXTENDED RANGE)	802.11g Mode: 54, 48, 24, 18, 12, 11, 9, 6 Mbps 802.11b Mode: 11, 5.5, 2, 1 Mbps
ANTENNA	Omni-Directional 0 dBi Printed Antenna; 180° degree rotation on two axes
PHYSICAL SPECS	
DIMENSIONS:	
PACKAGED UNPACKAGED	9.13 x 5.51 x 2.24 in (232 x 140 x 57 mm) 4.5 x 1.07 x 0.5 in (115.3 x 27.4 x 12.9 mm)
WEIGHT:	
PACKAGED UNPACKAGED	10.34 oz (294 g) 1.1 oz (30 g)
ENVIRONMENTAL SPECS	
TEMPERATURE: OPERATING STORAGE	0° to 55°C -20° to 70°C
HUMIDITY: OPERATING STORAGE	10% to 85% (non-condensing) 5% to 90% (non-condensing)
POWER SUPPLY	
VOLTAGE (OPERATING)	4.75 to 5.25 VDC via USB cable
LEDS	
2 LEDS	Power, Network Activity
OPERATING SYSTEM	Microsoft Windows 2000 or XP
SECURITY	
802.1X SUPPORT	EAP – TLS, TTLS, MDS, PEAP, LEAP
ENCRYPTION	WEP (64, 128, and 256 bit), TKIP, AES
MTBF	>250,000 hours based on workload
WARRANTY	1-year
PACKAGE CONTENTS	• USB Client adapter, 802.11b/g • Base Stand with integrated USB cable (Type-A connector) • Quick Installation Guide • CD-ROM with software and documentation
RELATED PRODUCTS	AP-700, AP-4000, AP-4000M, AP-4000MR, AP-4000MR-LR, AP-4900MR-LR, 11a/b/g ComboCard, 802.11a/b/g PCI Adapter, 11b/g PC Card

APPLICATIONS

- **Business, enterprises:**
  Improved productivity within wireless network, Internet and email inside building and around campuses

- **Universities:**
  Flexible, immediate, mobile faculty and student connectivity in dorms, classrooms, and offices

- **Metro Hotspot:**
  Wireless internet access by patrons in public spaces

- **Home Users:**
  Connect to a wireless access point for internet access