



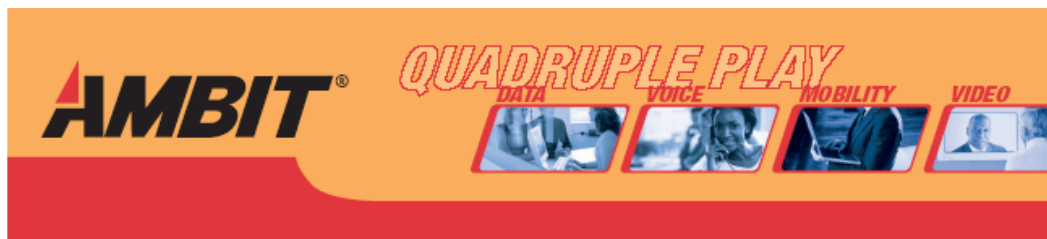
## Ambit U10H016 USB Adapter

The Ambit U10H016 Wireless LAN USB Adapter is an ideal solution for any wireless network that requires superior performance and minimal downtime. With 802.11g compliance, you can be assured that the Wireless LAN USB Adapter will work effortlessly with your existing network.



### Product Highlights

- IEEE 802.11g and IEEE802.11b standard compliant
- IEEE 802.11g provides data rate for 54Mbps w/auto fallback 48,36,24,18,12,9 and 6Mbps
- Wireless data encryption with 64/128-bit WEP standard
- Security using WPA, WPA-PSK, 802.1x, Pre-Shared Key
- Auto fallback data rate for optimized reliability, throughput and transmission range
- USB 2.0 interface support
- WHQL Certified drivers support Windows 98SE, ME, 2000 and XP



Ambit Microsystems provides a full range of CPE products for data, voice, video, and mobility. With over 10 million cable modems deployed to date, Ambit has significant experience in helping MSOs achieve their goals. Please visit us at [www.ambitbroadband.com](http://www.ambitbroadband.com) for more information.

# Specifications

Network standard	IEEE 802.11g & IEEE802.11b	
Data Rate	IEEE 802.11g – 54Mbps with auto fallback 48, 36, 24, 18, 12, 9, 6Mbps IEEE802.11b – 11Mbps with auto fallback 5.5, 2 and 1Mbps	
Frequency Range	2.4MHz ISM band	
Radio Technology	IEEE 802.11g – Orthogonal Frequency Division Multiplexing IEEE 802.11b – Direct Sequence Spread Spectrum	
Antenna	Planar Antenna	
Modulation	IEEE 802.11g: OFDM 48/54 Mbps (64QAM) 24/36 Mbps (16QAM) 12/18 Mbps (QPSK) 6/9 Mbps (BPSK)	IEEE802.11b: DSSS 5.5/11Mbps (CCK) 2 Mbps (DQPSK) 1 Mbps (DBPSK)
Transmitter Power	IEEE 802.11g: +/- 3dBm <ul style="list-style-type: none"><li>• 13dBm @ 54 Mbps</li><li>• 15dBm @ 48/24/36 Mbps</li><li>• 16dBm @ 12/18 Mbps</li><li>• 17dBm @ 6/9 Mbps</li></ul>	IEEE802.11B: +/- 3dBm
Receive Sensitivity	-65dBm for 54 Mbps @ 10% PER -80dBm for 11 Mbps @ 8% PER	
Power Consumption	IEEE 802.11g: TX: $\leq$ 480mA, RX: $\leq$ 430 mA IEEE 802.11b: TX: $\leq$ 480 mA, RX: $\leq$ 430 mA	
Encryption	64/128-bit WEP encryption	
Security	WPA - EAP TYPE: TLS PEAP(MS-CXHPv2), PEAP(TLS) 802.1x – EAP TYPE: TLS, PEAP(MS-CHAPv2) PEAP(TLS), LEAP	
Software Driver	Microsoft WHQL Certified drivers support Windows 98SE, ME 2000 and XP	
Software Utility	Card status, Configuration Profiles, Site Survey and Link status	
Interface	USB 2.0	
LED Indicator	Link Activity	
Environmental Operating Ranges	Temperature: 0 ~ 55 °C; Storage – 20 ~ 80 °C	
Dimensions	82.4mm(L)*13.2mm(W)*26.3mm(H)	
Weight	35g	
Safety	UL 60950 Ver.3 for USA, CSA C22.2 for Canada	

