

WT-2000USB

Turbo-G USB Adapter

A The AirLive Turbo-G family provides 125Mbps wireless speed at the same cost as the Wireless-G devices. Unlike the Super-G mode that uses channel-binding technology, Turbo-G solution can deliver up to 1.5 times the speed of Wireless-G solution using one single channel. This means higher and more stable performance. Best of all, it is compatible with 802.11g and 802.11b solutions.



Turbo Mode Compatibility Chart

	MIMO	Turbo G	Super G	802.11G+
MIMO	MIMO	Turbo G	802.11g	802.11g
Turbo G	Turbo G	Turbo G	802.11g	802.11g
Super G	802.11g	802.11g	SuperG	802.11g
802.11G+	802.11g	802.11g	802.11g	802.11G+

*The intersection value indicates the resulting operation mode.

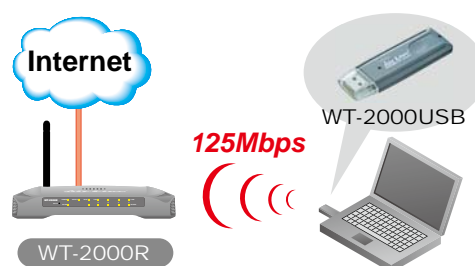
Real World Performance



Linking your PC to the WLAN network

The WT-2000USB is a high performance USB adapter for your PC. It puts your PC instantly to the wireless LAN network. When using it with AirLive Turbo-G or MIMO-G family, it can achieve 125Mbps physical layer speed or 50% faster than the standard 802.11g speed. The stylish ergonomic housing is extremely light and thin to let you carry it everywhere in your pocket.

Surf Internet Wirelessly



WMM and WPA2

The WT-2000USB supports 802.11e WMM (Wifi Multimedia) that enables Quality of Service for video and audio applications. security has been always a concern for Enterprise to implement wireless device into their networks. The new WPA/WPA2 encryption standard (Wi-Fi Access Protect) has been developed to strengthen the wireless security for enterprise environment. The Key to WPA is the use of Temporal Key Integrity Protocol (TKIP) to bolster encryption of wireless packets. TKIP provides important data encryption enhancements including a per-packet key mixing function, a message integrity check (MIC), an extended initialization vector (IV) with sequencing rules, and a re-keying mechanism. Through these enhancements, the WPA/WPA2 addresses all WEP's known vulnerabilities. The card also support the standard 64/128-bit WEP encryption.

Manufacturer

OvisLink Corp.

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www.airlive.com

Specifications

INTERFACE

- USB 1.1/2.0 compliant

RADIO

- Chipset
 - Ralink Semiconductor
- Antenna
 - diversity
- Frequency
 - USA (FCC) 11 Channels: 2.412GHz~2.462GHz
 - Europe (ETSI) 13 Channels : 2.412GHz~2.472GHz
 - Japan (TELEC) 14 Channels : 2.412GHz~2.483GHz
- Modulation
 - 11g Orthogonal Frequency Division Multiplexing (64QAM, 16QAM, QPSK, BPSK)
 - 11b Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)
- Output Power
 - 11g
 - 64QAM: 16
 - 16QAM: 16
 - QPSK: 18
 - BPSK: 18
 - 11b
 - DBPSK,DQPSK,CCK: 18
- Receiver Sensitivity
 - -92db at 1Mbps
 - -70db at 54Mbps
- Data Rate
 - 11g mode: 54, 48, 36, 24, 18, 12, 9, 6 Mbps
 - 11b mode; 11, 5.5, 2, 1 Mbps

OS Support

- Win98se/ME/2000/XP, XP-64bit, WinVista

SECURITY

- WEP 64/128-bit
- WPA (Wi-Fi Access Protect), WPA-PSK
- WPA2

Temperature & Humidity

- Operating 0~55°C 90%
- Storage -20~75°C 20~80%

Product Weight (g)

- 14g

Product Size(L x W x H (mm))

- 82 x 26 x 9 mm

Ordering Information:

AirLive WT-2000USB Turbo-G USB Adapter