



WIRELESS

TEW-424UB

54Mbps 802.11g Wireless USB 2.0 Adapter

TRENDnet's TEW-424UB 802.11g Wireless USB 2.0 Adapter brings together the convenience of USB 2.0 and the high speed of 802.11g, allowing you to easily connect to 802.11g networks at speeds of up to 54Mbps. The USB 2.0 interface facilitates a hassle-free Plug-and-Play installation, and 128-bit WEP Encryption provides robust network security. The TEW-424UB is a feature-rich yet convenient way to go wireless.

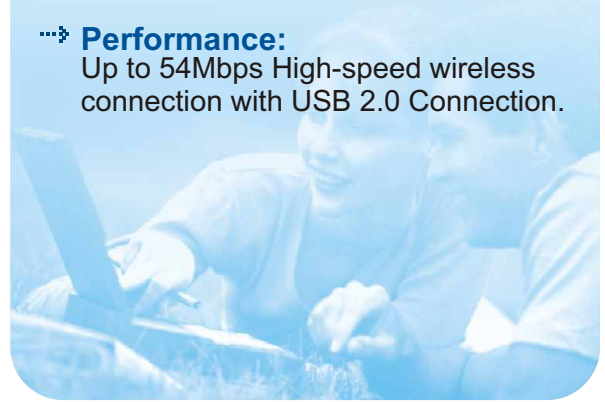


FEATURES

- ...> Wi-Fi Compliant with IEEE 802.11g and 802.11b Wireless Standards
- ...> Uses 2.4 GHz Frequency Band, which Complies with Worldwide Requirements
- ...> Supports Ad-Hoc (Peer-to-Peer) Mode or Infrastructure (AP-Client) Mode
- ...> Compliant with Universal Serial Bus Rev 2.0, 1.1, 1.0 Specifications
- ...> Dynamic Data Rate Scaling at 54, 48, 36, 24, 18, 12, 9 and 6Mbps for 802.11g
- ...> Dynamic Data Rate Scaling at 11, 5.5, 2 and 1Mbps for 802.11b
- ...> Maximum Reliability, Throughput and Connectivity with Automatic Data Rate Switching
- ...> Compatible with Windows 98(SE)/ME/2000/XP (SP1/SP2)/2003 Server
- ...> Supports 64/128-bit WEP and WPA-PSK
- ...> Integrated 2dBi Printed Antenna for the Multi-Path Environment
- ...> Low Interference and High Susceptibility Guarantee Reliable Performance
- ...> Low Power Consumption and Easy Configurations
- ...> Range of 35~100 meters indoor, 100~300 meters outdoor (depends on the environment)
- ...> Simple User Setup & Diagnostics Utilities
- ...> 3-Year Warranty

BENEFITS

- ...> **Economical:**
Save time, labor, and materials; compare with wired network installation.
- ...> **Flexible:**
Creates wireless peer-to-peer network in Ad-Hoc mode or connects to Ethernet LAN in Infrastructure mode using Wireless Access Point or Wireless Router.
- ...> **Cost Effective:**
Supports IEEE 802.11b and IEEE 802.11g standards; connects to any IEEE 802.11b and 802.11g wireless network.
- ...> **Performance:**
Up to 54Mbps High-speed wireless connection with USB 2.0 Connection.



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SPECIFICATIONS

Interface:

- USB 2.0, 1.1, 1.0 Compliant

Standards:

- IEEE 802.11b and IEEE 802.11g

Antenna:

- 2dBi Integrated Printed Antenna

LED Indicator:

- Link

Power Consumption

- Receive Mode: 280mA
- Transmit Mode: 380 mA

Driver Support:

- Windows 98(SE), ME, 2000, XP(SP1/SP2), 2003 Server

Dimensions (L x W):

- 85 x 33 x 12 mm (3.35 x 1.3 x 0.47 inches) (without metal bracket)

Weight:

- 15 g (0.5 oz.) (with antenna)

Temperature:

- Operating: 0° ~ 40° C (32° ~ 104° F)
- Storage: -10° ~ 70° C (14° ~ 158° F)

Humidity

- 10% ~ 95% max (Non-condensing)

Certification

- FCC, CE, ETS

**Module Technique:**

- 802.11b: CCK (11 and 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps)
- 802.11g: OFDM

Frequency:

- 2.412 to 2.484 GHz (Industrial Scientific Medical Band)

Media Access Protocol:

- CSMA/CA with ACK

Data Rate (auto fallback):

- 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps
- 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps
- **6Mbps for 802.11g using USB 1.1 or 1.0 Connection

Output Power:

- 15dBm (typically) @ 802.11b
- 12dBm (typically) @ 802.11g

Receiving Sensitivity:

- 54Mbps 10 – 5 BER @ -72 dBm (typical)
- 11Mbps 10 – 5 BER @ -83 dBm (typical)

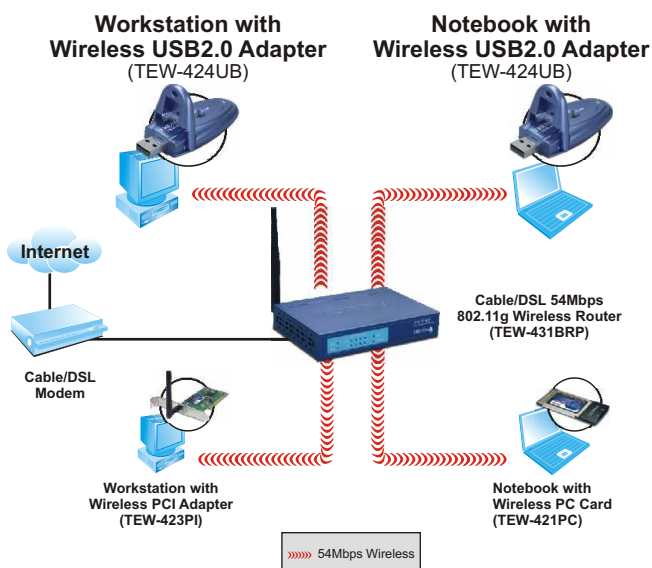
Security:

- WPA-PSK, 64/128-Bit WEP & WEP Passphrase

Channels:

- 1~14 Channels (Universal Domain Support)

NETWORKING SOLUTIONS



RELATED PRODUCT

- > **TEW-421PC:**
54Mbps 802.11g Wireless PC Card
- > **TEW-423PI:**
54Mbps 802.11g Wireless PCI Network Adapter
- > **TEW-431BRP:**
54Mbps 802.11g Wireless Firewall Router

ORDERING INFORMATION

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