

PROLINK®

Challenge The Limit

WGR1004

802.11g WIRELESS BROADBAND ROUTER

PROLINK WGR1004 wireless broadband router with 4 port Fast Ethernet switch is IEEE 802.11g+b compliant. It offers the easiest way to share and extend your high-speed DSL/Cable modem Internet connection, either with or without wires. This high performance IEEE 802.11g+b standards-based router connects all of your PC equipped with wireless PC cards, while an integrated 4 port Fast Ethernet switch connects your devices that need Ethernet wiring. WGR1004 Wireless 802.11g broadband router not only provides the ease of Internet access, but also the privacy of data transmission.



4 Ports Fast Ethernet Switch



Up to 54Mbps



- Data Rate Up to 54Mbps
- Backwards Compatible with IEEE 802.11b Standard
- Remote Management
- 1 Port 10/100Mbps N-Way WAN
- 4 Ports 10/100Mbps N-Way LAN
- Web-Based Management
- Supports PPPoE & ATM
- Supports VPN
- Offers Natural Firewall
- URL Content Filtering
- Freedom To Roam While Staying Connected
- Provides Protection From Hackers
- 64/128 bit WEP Encryption
- Auto Detects & Configures ISP
- MAC Address Authentication

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WGR1004 3 IN 1 WIRELESS BROADBAND ROUTER

Specifications

- **Wireless Local Area:** IEEE 802.11g or IEEE 802.11b
- **Data Rate:** 1 - 54 Mbps
- **Operating Ranges: (Max)**
 - * Outdoors: 150M @11 Mbps, 250M @ 5.5 Mbps or lower
 - * Indoors: 25M @ 11 Mbps, 100M @ 5.5 Mbps or lower
- **WEP:** 64 Bit, 128 Bit
 - * Frequency Band: 2.4GHz (11g & b) ISM Band
 - * USA (FCC): 2.412GHz - 2.462GHz (Ch1-11)
 - * Europe (CE): 2.412GHz - 2.472GHz (Ch1-13)
 - * Japan (TELEC): 2.412GHz - 2.484GHz (Ch1-14)
- **Antenna Connector:** Hirose UFL Connectors
- **RF Output Power:** 64QAM: 14dBm; 16QAM: 16dBm;
QPSK: 17dBm; BPSK: 17dBm; DBPSK,
DQPSK, CCK: 17dBm
- **Sensitivity:**
 - * 11g @ PER < 10%
 - * 54Mbps: -65dBm, 48Mbps: -66dBm, 36Mbps: -70dBm,
24Mbps: -72dBm, 18Mbps: -77dBm, 12Mbps: -79dBm,
9Mbps: -81dBm, 6Mbps: -82dBm
 - * 11b @ PER < 8%
 - * 11Mbps: -80dBm, 5.5Mbps: -83dBm, 2Mbps: -84dBm,
1Mbps: -87dBm
- **Modulation:**
 - * Orthogonal Frequency Division Multiplexing (11g)
 - * 48/54 Mbps (QAM-64)
 - * 24/36 Mbps (QAM-16)
 - * 12/18 Mbps (QPSK)
 - * 6/9 Mbps (BPSK)
 - * Direct Sequence Spread Spectrum (11b)
 - * 5.5/11 Mbps (CCK)
 - * 2 Mbps (DQPSK)
 - * 1 Mbps (DBPSK)
- **Operation Mode:**
 - * I). Infrastructure mode:
Seamless roaming within the IEEE802.11g & b
Wireless LAN infrastructure
Supports WEP encryption
 - * II). Ad-Hoc mode: Peer to peer connection
- **Modulation Type:**
Direct Sequence Spread Spectrum (DSSS)
- **WAN:** 1 port x 10/100 Mbps (auto-sensing)
Ethernet (RJ45)
- **LAN:** 4 ports x 10/100 Mbps (auto-sensing)
Ethernet (RJ45)

*Specifications are subjected to change without prior notice

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