

Appendix A

Technical Specifications

This appendix provides factory default settings and technical specifications for the Wireless Router Model WPN824v2.

Factory Default Settings

| | |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------|
| Smart Wizard | Enabled |
| Router Login Default Access | |
| Router Login URL | http://www.routerlogin.net or http://www.routerlogin.com |
| Login Name (case sensitive) printed on product label | admin |
| Login Password (case sensitive) printed on product label | password |
| Internet Connection | |
| WAN MAC Address | Use default hardware address |
| MTU Size | 1500 |
| Local Network | |
| Router Lan IP address printed on product label (also known as Gateway IP address) | 192.168.1.1 |
| Router Subnet | 255.255.255.0 |
| DHCP Server | Enabled |
| Time Zone | Pacific Time |
| Time Zone Adjusted for Daylight Saving Time | Disabled |
| Firewall | |
| Inbound (communications coming in from the Internet) | Disabled (bars all unsolicited requests) |
| Outbound (communications going out to the Internet) | Enabled (all) |

Wireless

| | |
|------------------------|-----------------------------------------------------|
| Wireless Communication | Enabled |
| SSID Name | NETGEAR |
| Security | Disabled |
| Broadcast SSID | Enabled |
| Transmission Speed | Auto* |
| Country/Region | United States in the US, otherwise varies by region |
| RF Channel | 6 until region selected |
| Operating Mode | 802.11 g/b |
| Data Rate | Best |
| Output Power | Full |

*. Maximum Wireless signal rate derived from IEEE Standard 802.11 specifications. Actual throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate.

Technical Specifications

Network Protocol and Standards Compatibility

Data and Routing Protocols: TCP/IP, RIP-1, RIP-2, DHCP
PPP over Ethernet (PPPoE)

Power Adapter

North America: 120V, 60 Hz, input
United Kingdom, Australia: 240V, 50 Hz, input
Europe: 230V, 50 Hz, input
Japan: 100V, 50/60 Hz, input
All regions (output): 12 V DC @ 1A output, 22W maximum

Physical Specifications

Dimensions: 28 x 175 x 119 mm (1.1 x 6.89 x 4.68 in.)
Weight: 0.3 kg (0.66 lb)

Environmental Specifications

Operating temperature: 0° to 40° C (32° to 104° F)
Operating humidity: 90% maximum relative humidity, noncondensing

Electromagnetic Emissions

Meets requirements of: FCC Part 15 Class B
VCCI Class B
EN 55 022 (CISPR 22), Class B
C-Tick N10947

Interface Specifications

LAN: 10BASE-T or 100BASE-Tx, RJ-45
WAN: 10BASE-T or 100BASE-Tx, RJ-45

Maximum wireless signal rate complies with the IEEE 802.11 standard. Actual throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate.

Wireless

Radio Data Rates 1, 2, 5.5, 6, 9, 12, 18, 24, 36, 48, 54, and 108 Mbps
Auto Rate Sensing

| | |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Frequency | 2.4-2.5Ghz |
| Data Encoding: | 802.11b: Direct Sequence Spread Spectrum (DSSS) 802.11g: Orthogonal Frequency Division Multiplexing (OFDM) |
| Maximum Computers Per Wireless Network: | Limited by the amount of wireless network traffic generated by each node. Typically 30-70 nodes. |
| Operating Frequency Ranges: | 2.412~2.462 GHz (US) 2.457~2.462 GHz (Spain) 2.412~2.484 GHz (Japan)2.457~2.472 GHz (France) 2.412~2.472 GHz (Europe ETSI) |
| 802.11 Security: | 40-bit (also called 64-bit) and 128-bit WEP, WPA-PSK and WPA2-PSK. |
