

# Appendix A

## Technical Specifications

This appendix provides technical specifications for the 54 Mbps Wireless Router WGR614 v6.

### 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

**Wireless**

Radio Data Rates	1, 2, 5.5, 6, 9, 12, 18, 24, 36, 48, and 54 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-bits (also called 64-bits) and 128-bits WEP and WPA-PSK

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