

# Appendix A

## Technical Specifications

This appendix provides technical specifications for the RangeMax 240 Wireless Router WPNT834.

### 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): 12V DC @ 1A output, 12W maximum

### Physical Specifications

Dimensions: 223 x 182 x 29 mm (8.8 x 7.2 x 1.1 in.)  
Weight: 0.49 kg (1.08 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 300 328  
C-Tick N10947

### Interface Specifications

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

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

**Wireless**

Radio Data Rates 1, 2, 5.5, 6, 9, 12, 18, 24, 36, 40, 48, 54, 72, 80, 84, 96, 108, 120, 144, 160, 168, 192, 216, and 240 Mbps  
Auto Rate Sensing

Frequency 2.4-2.5 Ghz

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)  
2.412~2.472 GHz (Japan)  
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.

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