

## EC-NT200R Plus

### Hardened ADSL Modem

#### KEY FEATURES:

- Secure
- Easy installation
- Uses existing site phone cabling
- Complete ADSL router
- Full-rate ADSL and G.lite operation
- Integrated 10/100 Ethernet MAC
- Complete network stack including bridge and router operation
- Remote Programming and Firmware update from ADSL side of modem
- GUI based Web management
- IPsec VPN Gateway
- PPTP VPN Gateway, client, or server termination



#### DESCRIPTION:

The Extreme Copper NT200R-PLUS ADSL modem is the choice for value and performance in the industrial broadband marketplace. Because of its solid list of features, it is the perfect choice for those difficult installations where environmental conditions are challenging.

The NT200R-PLUS modems are versatile and come in several configurations and models. All are capable of supporting faster ADSL standards like ADSL2 and ADSL2+ with software upgrades.

The NT 200R-PLUS Dual Connect NAT Router Model is easy to install and can be configured in a matter of minutes using any standard Web browser through the Ethernet Interface or the ADSL side of the modem. LAN network setup supporting up to 253 users is a breeze through the use of Network Address Translation (NAT) and Dynamic Host Control Protocol (DHCP).

**DIMENSIONS:**

- Height: 1.4 in. (3.5 cm)
- Width: 5.3 in. (13.5 cm)
- Depth: 5.4 in. (13.7 cm)

**WEIGHT:**

Approx. 18.0 oz. (.40 kg)

**ENVIRONMENTAL:**

- Temperature: -40°C to +74°C (-40°F to 165.2°F)
- Humidity: 10- 95%, non-condensing

**POWER SUPPLY:**

120 VAC (10%) to 12 VDC

**POWER CONSUMPTION:**

Minimum of 450mA to maximum of 1000mA, depending on model

**LED INDICATORS:**

- DSL
- Power
- Ethernet
- USB

**CONNECTORS:**

- Power: Barrel connector
- Line (DSL): 4-pin (RJ-11) modular jack
- Ethernet: (4 ports) 8-pin (RJ-45) modular jack

**STANDARDS:**

- ANSI T1.413 issue 2
- ITU G.992.1 (G.DMT)
- ITU G.992.2 (G.lite)
- ITU G.992.3 (ADSL2 DMT)
- ITU G.992.4 (ADSL2 G.lite)
- ITU G.992.5 (ADSL2+)

**CERTIFICATIONS (Designed for):**

EMC FCC, Part 15 Class B UL 60950, 3rd Edition CAN/CSA-22.21 60950 UL, CSA, ACTA 968-A Industry Canada

**DESIGN FOR FOLLOWING APPROVALS:**

- Hazardous Locations: Class 1, Division 2
- ISO: Designed and manufactured using an ISO9001:2000 certified quality program
- CE Marking
- Emissions: FCC Part 15 (Class A), EN55022 (CISPR22 Class A)
- Safety: cCSAus (Compliant with CSA C22.2 No. 60950, UL 60950, EN60950)
- Laser Eye Safety (FDA/CDRH): Complies with 21 CFR Chapter1, Subchapter J.

**PROTOCOL FEATURES:**

- Bridge Encapsulation per RFC1483

- Logical Link Control/ Subnetwork
- Access Protocol (LLC/SNAP)
- ATN SAR: Internal to modem

**ROUTING:**

- Up to 253 users with a user supplied Ethernet hub
- Network Address Translation (NAPT/ PAPT)
- DHCP – Automatic or manual local address assignment
- DNS proxy Implementation State
- Fully inspected packet filtering firewall
- RFC 2364, RFC 2684, RFC 2225

**TRANSPORT & APPLICATION PROTOCOL SUPPORT:**

- TCP, UDP, ICMP, SMTP, NNTP, FTP, HTTP, SSH (Option)
- Support for PPTP/L2TP/IPSEC/VPN
- Tunnel through NAT router
- Bridged PPPoE from PC simultaneously with NAT router PPPoE session

**SECURITY:**

- IPsec VPN Gateway
- PPTP VPN Gateway, Client, or Server Termination
  - Security
    - Remote Side
      - IPSEC Outgoing (allow)
      - ICMP Incoming (allow)
      - All other services disabled

**WARRANTY:**

2 Years-Applicable to design or manufacturing related product defects

**Specifications are subject to change without notice.**

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