The new Actiontec Ethernet DSL Modem with Routing Capabilities is really two devices rolled into one. It’s a full rate DSL modem and it’s a router, capable of connecting to one computer, via Ethernet port, and even more using a switch or hub, with a minimum amount of hassle. And because of its sleek design, small footprint and ENERGY STAR rating, this “green modem” has become the DSL Modem of choice for many of our customers.

**Full Rate ADSL2+ Modem**

ADSL2+ is the DSL standard that enhances modem performance by tripling the available bandwidth (from 8 Mbps to 24 Mbps). Say goodbye to stuttering, pixilated video streams and the endless wait while downloading large files. There’s more room for voice data, as well, so you can enjoy free or low-cost Internet telephone conversations.

**Leading Chipset Architecture**

The DSL Modem includes TI’s TNETD7100 Broadband Communication Processor and Peripherals. The TNETD7100 is the industry’s most densely integrated system-on-a-chip ever offered to the ADSL CPE market by Texas Instruments. The TNETD7100 is considered an ADSL bridge/router solution, integrating a broadband communications processor and peripherals, ADSL physical layer, ADSL line driver, and Ethernet physical layer.

**Environment Friendly**

The new GT701D Ethernet DSL Modem with Routing Capabilities earned the ENERGY STAR rating, signifying that it uses at least 30% less energy than modems with conventional power adapters. With its superior energy efficiency, this DSL Modem helps consumers save money on their electricity bill while protecting the environment through fewer harmful emissions from power plants. In addition to its energy efficient design, the DSL Modem features a small footprint that helps minimize its environmental impact – with less materials, packaging, and waste.

**Features**

- Environmentally friendly... Power Supply is ENERGY STAR Certified
- Support One ADSL2+ WAN port (RJ11)
- Compliant with full-rate ANSI T1.413 Issue 2, ITU G.992.1 (G.dmt) and G.992.2(G.lite) standard
- Auto-handshake for different ADSL flavors
- Bridged Ethernet over ATM, PPP over ATM, PPP over Ethernet
- Precise ATM traffic shaping
- IP packet routing and transparent bridge
- Static IP “Routed”
- Routing protocol supports RIP-1, RIP-2, Static Routing
- Build-in NAT, DHCP server
- DNS relay support
- PAP/CHAP authentication, administrative passwords through Telnet
- Compliant with IEEE 802.3 Ethernet standard
- Supports One 10/100 Base-T Ethernet LAN port
- Flow control support for Fast Ethernet
- Web-based configuration setup
- FTP firmware upgradeable
- Support web download
- TR-069 Remote Management
- Service/Website blocking/scheduling
- Upstream/Downstream QoS
# Technical Specifications

**Ethernet DSL Modem with Routing Capabilities**

## Features

<table>
<thead>
<tr>
<th>Features</th>
<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ADSL</strong></td>
<td>ITU G.992.1 (G.dmt), G.992.2 (G.Lite), G.994.1 (G.hs), G.992.3 (G.dmt.bis), G.992.4 (G.lite.bis), G.992.5 (ADSL2plus) ANSI T1.413 Issue 2 available in future firmware upgrade</td>
</tr>
<tr>
<td><strong>ATM</strong></td>
<td>ATM User-Network Interface, Version 3.1, Section 3. The ATM Forum, 1995. – The full VPI range (0 – 4095) and VCI range (1 – 65535) are supported. – Adaptation Layers AAL5, AAL2 and AAL0 are supported. – The traffic shaping function supports traffic classes CBR, VBR (real time and non-real time) and UBR (with PCR limiting).</td>
</tr>
<tr>
<td><strong>OAM</strong></td>
<td>ITU-T Recommendation I.610 B-ISDN Operation and Maintenance Principles and Operations. – F5 segment and end-to-end loopback cells</td>
</tr>
<tr>
<td><strong>IP Router</strong></td>
<td>Support Static Route Support unnumbered and VIP mode</td>
</tr>
<tr>
<td><strong>NAT advanced features</strong></td>
<td>Port Forwarding DMZ Service Blocking Web site blocking Web Activity Log</td>
</tr>
<tr>
<td><strong>Firewall</strong></td>
<td>Stateless Firewall: multiple security levels. Basic IDS: Stateful Packet Inspection for prevention of Denial of Service (DoS) attacks.</td>
</tr>
</tbody>
</table>
**Universal Plug and Play (UPnP)**


**PPP LCP**


**PAP**


**CHAP**


**IPCP**


**BCP**


**PPPoA**


**PPPoE**


**RFC1483**

Supports bridged 802.3 Ethernet frames over an ATM network.

- LLC encapsulation, in which an LLC/SNAP header is prepended to the (Ethernet) frame
- VC multiplexing, in which a null two byte header is prepended to the frame.

Default is LLC encapsulation; VC multiplexing can be configured using console command or WEB configuration.


**TELNET**


**FTP Server/Client**

- FTP server is in boot loader only.

**Web Server and Web Based Configuration**


**Environmental Operating Range**

Operating Temperature: 0-40 degrees Celsius
Humidity: 8-95% non-condensing

**Power Requirements**

Operating voltage: +12V DC +/− 5% @420mA max

**Minimum System Requirements**

- PC or Macintosh with available Ethernet port
- Microsoft XP, Vista; Mac OS 9 or higher; Linux/BSD, Unix
- TCP/IP network protocol installed
- Internet Explorer 4.0+ or Netscape 4.0+

**Package Contents**

- Actiontec Ethernet DSL Modem
- Ethernet Cable
- Power Cord
- DSL Cable

Note: Customers may request customized self-install kit configuration

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Product photo may differ from actual product, however functionality remains as stated above.

Features/specifications are dependent on the firmware version.

Specifications are subject to change without notice.