Total Access® 600R

Carrier Class Access Router for Small and Medium Enterprises

Product Features

- Integrated T1/FT1 CSU/DSU
- Carrier class durable housing
- Easy to navigate menu system
- Downloadable configuration files
- Frame Relay and PPP support
- Network Address Translation
- Packet filtering
- DHCP server
- SNMP management
- Standard 10-year warranty

The Total Access 600R is a cost-effective T1/FT1 access router designed for small and medium businesses, branch offices and campuses. The Total Access 600R provides 1.54 Mbps for "always-on" Internet access or remote office connectivity. With its integrated CSU/DSU, the Total Access 600R provides wide area network access over a standard T1 or fractional T1 circuit.

With the Total Access 600R, carriers and enterprises can give multiple users network access over a single T1 connection. For simultaneous access to both a corporate network and the public Internet, the Total Access 600R offers the ability to configure multiple frame relay PVCs. In addition, the Total Access 600R includes NAT/NAPT and IP filtering which provides security from unauthorized access to the user's network. By teaming ADTRAN's NetVanta™ 2100 with the Total Access 600R, customers can add the protection of a Stateful Inspection Firewall and hardware-based VPN services.

The Total Access 600R also provides a cost-effective campus connectivity solution. When used with private dry copper, the Total Access 600R delivers up to 1.54 Mbps to cross-campus network elements. This solution is ideal for extending LAN segments to other buildings.

The Total Access 600R allows users to quickly setup and easily manage their network. The Total Access 600R offers a DHCP server allowing devices on the LAN to obtain their IP addresses automatically. Additional network management features include access list and password protected Telnet sessions and Simple Network Management Protocol (SNMP) support. The Total Access 600R also contains ping and Telnet utilities for network troubleshooting.

With support for Trivial File Transfer Protocol (TFTP), the Total Access 600R makes configuration, installation and software upgrades simple. Software can be upgraded remotely using TFTP or locally using the craft interface. Setup and installation of the Total Access 600R is made simple through the use of configuration files that can be uploaded to the unit using TFTP or XModem.

Not only does the Total Access 600R provide the user with the most cost-effective way to access the public Internet and connect branch offices together, it is backed by an industry leading 10-year warranty and ADTRAN's world class 24-hour technical support.

ADTRAN

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Product Specifications

WAN Interface
- Integrated T1/FT1 CSU/DSU
- **Line Rate:** 1.544 Mbps +/- 75 bps
- **Physical Interface:** RJ-48C (Modular, 8-pin)
- **Framing:** D4 (SF)/ESF
- **Line Code:** AMI / B8ZS
- **Input Signal:** 0 to -36 dB
- **DS0 Assignment:** User selectable
- **Timing:** Loop and local

LAN Interface
- 10BaseT Ethernet
- Half or full duplex
- RJ-45
- Secondary IP address
- DHCP server
- IEEE 802.3

Protocol Support
- IP
- 802.1d Bridging (all protocols)
- DNS
- TCP
- RIP V1, V2 and static routes
- UDP, UDP Relay
- ICMP
- ARP
- PPP and Frame Relay

Frame Relay
- Support for both point-to-point and point-to-multipoint networks using up to 10 PVCs
- RFC 1490 Encapsulation (Multiprotocol Over Frame Relay)
- LMI types: LMI, ANSI (Annex D), CCITT (Annex A) and Static

PPP
- LCP, IPCP, BCP, CCP
- Van Jacobson (VJ) header compression

Security
- PAP, CHAP, EAP and Radius
- NAT/NAPT
- Packet Filtering by source and destination IP address, source and destination port number, MAC address, protocol or pattern
- Multi-layer password protection
- **Telnet security:** Access list and password protection

Management and Configuration
- Remote configuration via Telnet
- RS-232 Craft interface for local configuration (RJ-48C)
- LAN and WAN status LEDs
- Text-based configuration file support
- SNMP v1: RFC 1406, 1213, 1315
- Syslog client
- Software upgrade via Trivial File Transfer Protocol (TFTP) or XModem
- ICMP Ping utility

WAN Testing and Troubleshooting
Local Loopbacks
- Line and payload

Remote Loopbacks
- Line and payload
- CSU loopback
- Fractional T1 loopback per ANSI T1.403-1995 (Annex B)

Error Counts
- ES, SES, SEF, FS, LCV, SLP and UAS
- Alarm Status: Loss of signal, red alarm, yellow alarm, blue alarm

Environmental
- **Operating Temperature:** 0° to 50°C, (30° to 113°F)
- **Storage Temperature:** -20° to 70°C, (-4° to 158°F)
- **Relative Humidity:** Up to 95% non-condensing

Physical
- **Dimensions:** 2" H x 7.5" D x 11.25" W
- **Weight:** 2 lbs.
- **Agency approvals:** UL1950, CUL, FCC Part 15 (Class A)
- **AC Power:** 90-130 vAC, 60Hz

Ordering Information

Equipment	Part #
Total Access 600R	4200600L1#TDM