

Access-T

Multi-Port Network Access CSU/DSUs



Combining the features of a multiplexer, a DSU, and a CSU, the Access-T family of products let you leverage the full benefits of today's full and fractional T1 services. . . while consolidating your architecture. At the same time, Access-T helps simplify network management by providing centralized configuration, performance monitoring, and diagnostics through a menu-driven terminal interface, plus SNMP.

Access-T is ideal for networking sites, multiplexing two high-speed serial data ports. Additionally, it offers an optional drop-and-insert (add/drop) T1 port for integrating voice and data.

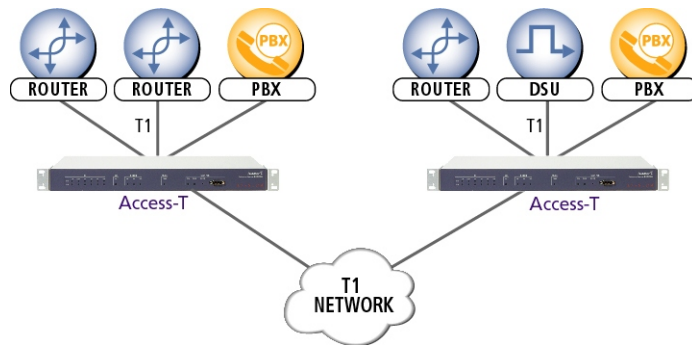
By multiplexing applications onto one access line, with one access device, the Access-T greatly reduces network and equipment costs. Because your applications can be separately routed using fractional T1 services, or can share full and fractional T1 bandwidth for point-to-point connections, Access-T eliminates the high costs and wasted bandwidth of using a full T1 for each application. Finally, Access-T's advanced performance management cuts maintenance costs while maximizing uptime.

APPLICATIONS

- LAN interconnection
- Graphics and image transmission
- Video teleconferencing
- High-speed terminal-to-host connections
- Data and voice integration

BENEFITS

- SNMP management via integral agent
- More efficient use of T1/FT1 bandwidth and access lines
- Centralized and local configuration, monitoring, and diagnostics
- Consolidation of network access devices, simplifying installation and management
- Rapid trouble notification, isolation, and recovery



In the application shown above, the Access-T provides cost-effective point-to-point connections across a T1 network. Among the advantages Access-T offers are economical add/drop network access for point-to-point T1 and FT1 applications, the ability to extend a network with tail circuits, and integral SNMP management.

SPECIFICATIONS

FEATURES

Optional Drop-and-Insert Port — Simplifies network architecture by integrating voice and data traffic on a single T1 or Ft1 connection

High-Density Installations — Chain up to 30 Access-T units together and manage them over a single connection

Management — Terminal/PC interface with local and remote access; integral SNMP; advanced performance monitoring and diagnostics

INTERFACES

Network — T1 network and T1 drop-and-insert ports

Rate — 1.544 Mbps \pm 50 ppm

Framing — D4 or ESF

Line Coding — AMI or B8ZS

Electrical — Per AT&T Pub 62411

Surge Protection — 1000 V pulse per AT&T Pub 43602; cross-voltage protection per UL1459 (Issue 2)

Connector — RJ48

Data Ports — Two: V.35, EIA530, or RS449

Interface Type — EIA 530; DB25S connector

Data Rates — Nx56 kbps or Nx64 kbps, to 1.536 Mbps (N = 1 to 24)

Clocking — Internal, DTE port, line, aux, or station (TTL 50 ohms, BNC)

Channel Multiplexing — 1 to 24 DS0s; contiguous, alternate, or user-defined DS0 bundling

Management Ports — Front- and rear-panel RS232 ports; rear-panel RS485 chain port

MANAGEMENT

Terminal Interface — Menu-driven, VT100 or TV 925 ASCII terminal, to 9600 baud

SNMP Interface — RS232 (SLIP/PPP); DS1 MIB (RFC 1406)

Chain Management — Up to 30 units can be chained together and centrally managed

Performance Monitoring — Per AT&T Pub 54016, ANSI T1.403, RFC 1406

24-Hour Registers — Per AT&T Pub 54016 (1989), plus BPVs; separate sets for network and T1 DTE

One-Second Reports — Per ANSI T1.403

Alarm Reporting — Automatic dialout on user-specified alarms (Hayes-compatible dialer)

Loopbacks — Per AT&T Pubs 62411 and 54016 (Issue 2), ANSI T1.403, and CCITT V.54; plus DTE and aggregate loopbacks.

Test Pattern — QRSS, channelized or transmitted over full T1; monitored for bit errors

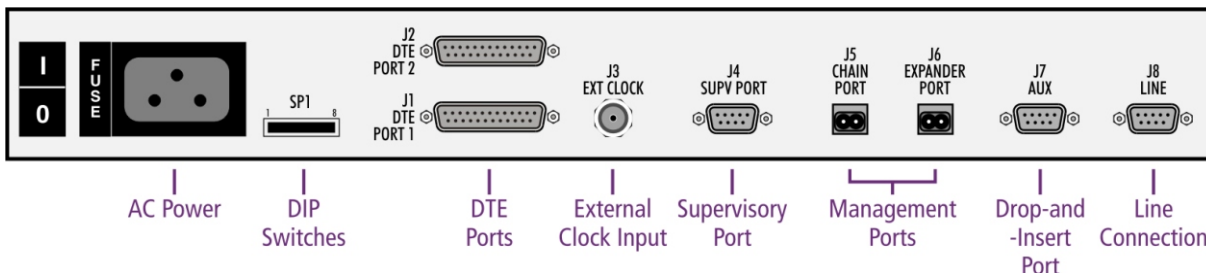
GENERAL

Power — -48 V dc office battery (-43 to -53 V dc); standard 115 V ac, 50 to 60 Hz

Dimensions — (H x W x D) 1.75 x 17 x 12 inches; 4.4x 43.2 x 30.5 cm

Environment — 0 to 50 °C (32 to 122 °F) ambient; up to 95% relative humidity, non-condensing

Regulatory Compliance — FCC Parts 15 & 68; UL 1459 (Issue 2) AT&T ASDS® and Accunet® T1.5



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