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Find the *Larscom Access-T-201* at our website: ***Click HERE***

Access-T

LARSCOM

Multi-Port Network Access DSU/CSU

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

Access-T is ideal for networking sites with one or two applications each, or with dozens. Access-T 200 and 400 multiplex 2 and 4 high-speed serial data ports, respectively—plus an optional T1 drop-and-insert port for integrating voice and data. Access-T 100 supports single-application nodes. An Access-T 1500 houses up to 15 DSU/CSU modules, for a total of up to 30 high-speed data ports and 15 T1 drop-and-insert ports.

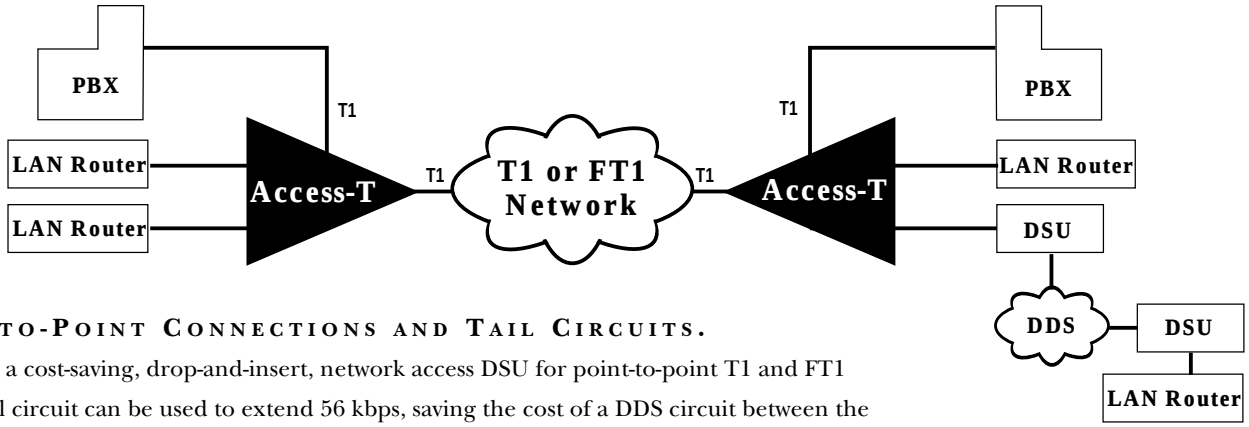
Multiplexed applications require just one access line and access device, so Access-T greatly reduces equipment and network access costs. And because your applications can be separately routed using fractional T1 (FT1) services, or can share full or fractional T1 bandwidth for point-to-point connections, Access-T eliminates the high costs and wasted bandwidth of using a full T1 for each application. Finally, Access-T's advanced performance management helps cut maintenance costs while maximizing uptime.

Applications

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

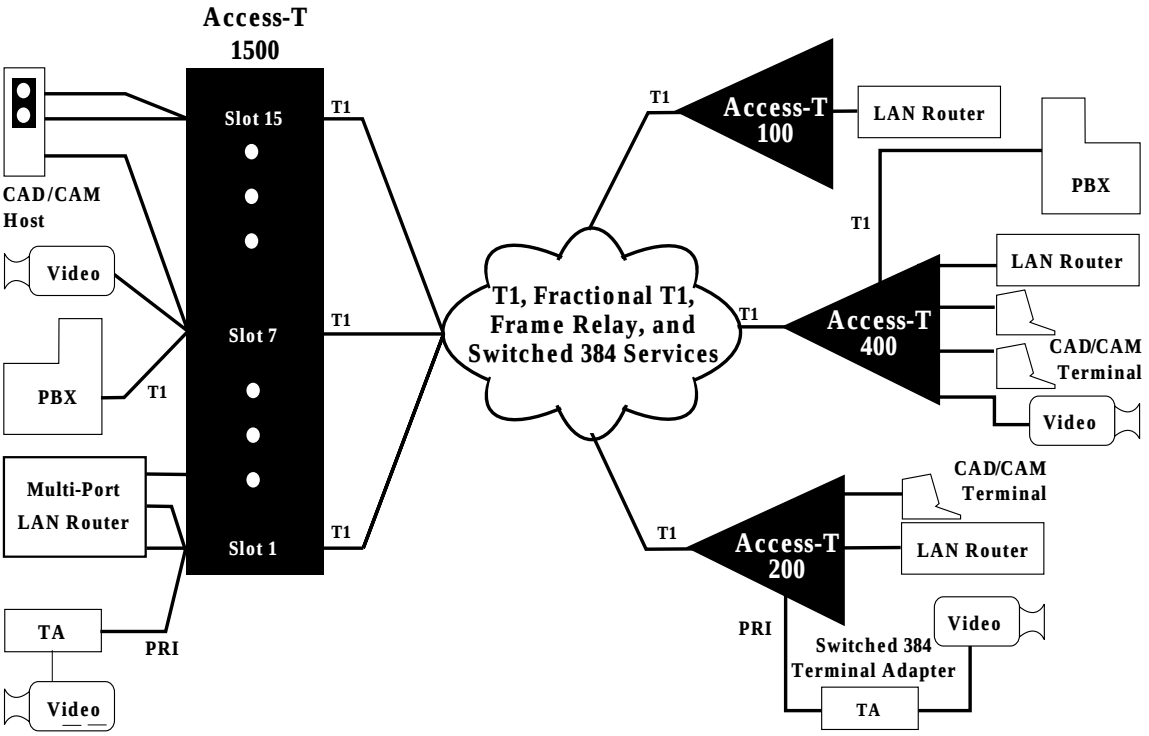
Benefits

- SNMP management via internal 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
- Adaptability to changing standards and services, including downloadable software



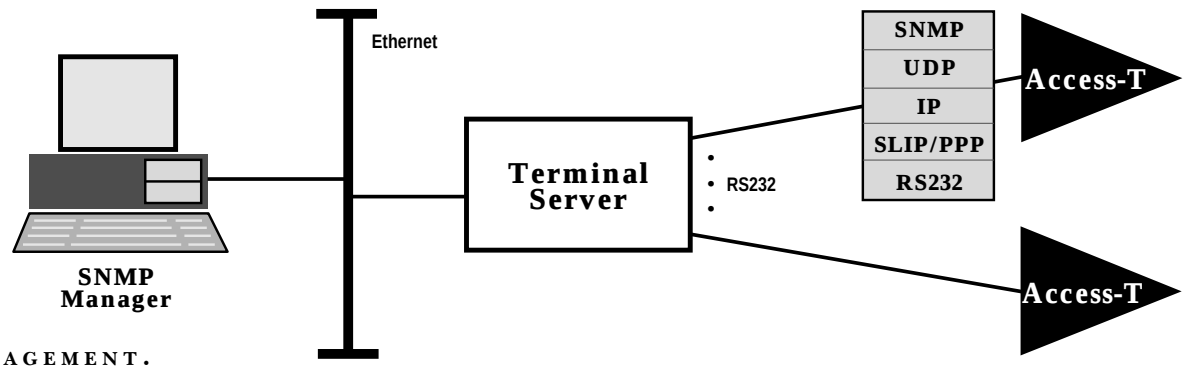
POINT-TO-POINT CONNECTIONS AND TAIL CIRCUITS.

Access-T is a cost-saving, drop-and-insert, network access DSU for point-to-point T1 and FT1 links. A tail circuit can be used to extend 56 kbps, saving the cost of a DDS circuit between the Access-T sites.



MULTI-POINT APPLICATIONS USING DEDICATED AND DIALED FT1 CONNECTIONS.

In this multi-point network, DS0s are routed between three Access-T sites using various fractional T1 services. CAD/CAM terminal-to-host connections employ standard fractional T1 services. LAN bridge/routers with frame relay software are linked using a frame relay service, which is ideal for bursty packetized data. For video teleconferencing, switched 384 service is used on a dial-up basis for greater economy.



SNMP MANAGEMENT.

Access-T's integral SNMP agent means that you can easily integrate Access-T into an SNMP-compatible LAN/WAN management system.

A Mux With Features of a Micro-DCS

Access-T multiplexes up to four high-speed DTE ports and an optional T1 drop-and-insert port for connection to a T1 access line. DTE ports support V.35, RS449, and EIA 530 interfaces. Data rates may be any multiple of 56 or 64 kbps, with several options for pulse density assurance and clear channel capability. A fully-loaded Access-T 1500 provides 30 DTE ports and 15 drop- and-insert ports.

Like a digital cross-connect switch (DCS), Access-T lets you assign DTE data to any DS0s in the T1 stream, so you can connect to both contiguous-DS0 and alternate-DS0 FT1 services. You can even specify automatic time-of-day switching between DS0 allocation "maps", or transmit a new map on command to the far-end Access-T. And Access-T includes a built-in D4/ESF CSU for connection to public T1 facilities.

An optional T1 drop-and-insert port lets you insert data from DTE ports into unused DS0s in the T1 output of a PBX or channel bank. By integrating voice and data in this way, you simplify network architecture while getting the most from your T1 or FT1 bandwidth.

Centralized Management

You can manage Access-T from an SNMP Network Manager through a standard RS232 (SLIP or PPP) interface. Access-T's integral SNMP agent supports the standard DS1 MIB and all defined Access-T alarms.

You can also manage Access-T using standard ASCII terminals. Separate RS232 craft and supervisory ports allow local and remote connections, including *automatic alarm dialout*, while a chain port lets you manage up to 30 Access-Ts over a single connection. The easy-to-use interface features menus and pop-up windows.

Or you can integrate Access-T into a TABS-compatible network management system.

Performance Monitoring, Alarms, and Diagnostics

Access-T provides the superior performance monitoring and diagnostics you expect from Larscom. Numerous 24-hour registers give you a complete picture of network performance. Auto-dialed alarm reports immediately notify *you* of alarm conditions you have defined. And color-coded LEDs show the status of network and DTE interfaces at a glance.

For advanced troubleshooting and fault isolation, Access-T offers T1, DTE, and data channel loopbacks; a self-test; and QRSS bit error rate testing. In-band codes for data channel loopbacks conform to ANSI T1E1.2 and CCITT V.54 recommendations.

Access-T meets the latest AT&T and ANSI standards for ESF performance monitoring and diagnostics. In ANSI T1.403 mode, Access-T transmits one-second performance reports.

The Ultimate in Adaptability

Access-T features the configuration options and features you need for today's T1 and FT1 networks. And to keep you ready for tomorrow, Access-T makes it easy to adapt to evolving standards and services, with software upgrades downloaded in minutes over a simple PC connection.

Make Larscom Your Point of Interconnect

Network access interfaces are the *points of interconnect* for your entire information infrastructure. And for over two decades, that's what Larscom (formerly Larse) has been all about.

Larscom products are an integral part of major enterprise networks worldwide. With more than 100,000 access devices installed, we've built a reputation for outstanding reliability and quality. We're the choice of well-connected companies for a very simple reason: *We listen to our customers.*

When you choose Larscom, you get innovative products backed by skilled, committed, experienced people. From application analysis to training to 24-hour service, you get a *complete network solution.*

Find out how Larscom can help *you* be well-connected. Call us today at (408) 988-6600.

LARSCOM

Access-T

SPECIFICATIONS

T1 Interfaces

Interfaces	T1 network and T1 drop-and-insert port; 1.544 Mbps ± 50 bps
Line Coding & Framing	AMI or B8ZS code; ESF (per AT&T Pub 54016, Issue 2, and ANSI T1.403) or D4
Electrical	Per AT&T Pub 62411
Surge Protection	1000 V pulse per AT&T Pub 43601; cross-voltage protection per UL 1459 (Issue 2)

DTE Data Ports

Interfaces	One, two, or four ports: CCITT V.35 and/or EIA RS449
Data Rates	Nx56 or Nx64 kbps, to 1.536 Mbps (N = 1 to 24)
Clock Source	Internal, DTE port, line, aux, or station (TTL, 50 ohms, BNC)

Channel Multiplexing

Time slot Options	1 to 24 DS0s; contiguous, alternate, or user-defined DS0 bundling
Idle Pattern	All ONES (per AT&T Publication 54019)

Supervisory Access

Ports	Front- and rear-panel RS232 ports; rear-panel RS485 chain port
Terminal Interface	Menu-driven, VT100 or TV 925 ASCII terminal, to 9600 baud
NMS Interface	TABS format
SNMP Interface	RS232 (SLIP/PPP); DS1 MIB (RFC 1406)

Monitoring & Diagnostics

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

Miscellaneous

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)	Series 100 and 200: 1.75 x 17 x 12 inches (4.4 x 43.2 x 30.5 cm); Series 400: 3.5 x 17 x 12 inches (8.9 x 43.2 x 30.5 cm); Series 1500: 10.5 x 17 x 18 inches (26.7 x 43.2 x 45.7 cm); brackets for 19- and 23-inch racks
Environment	32 to 122 °F (0 to 50 °C) ambient; up to 95% relative humidity, noncondensing
Regulatory Compliance	FCC Parts 15 and 68; AT&T ASDS® and Accunet® T1.5; UL 1459 (Issue 2)

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Printed in the U.S.A., April 1995. ML02-004-001

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