

360-80 Integrated Access Device

Grooms a T1 signal into 24 individual voice or data channels

Extensive Service Offerings

The 360-80 is a 24-line to T1 (or 30-line to E1) Integrated Access Device (IAD). The channel module selection offers both voice and data interfaces and fulfills requirements for FXS/DPO, FXO/DPT, E&M, OCU, DSU 64xN and ISDN.

Real Estate Savings

The 360-80 has integrated common hardware in a very compact 17"x12"x1.75" profile. It supports 2 full-size and 1 half-size channel modules in addition to a half-size T1 Controller Module. The compact enclosure can be wall or rack mounted by simply rotating the mounting ears. Its small frame takes up only one rack unit when mounted in a 19" or 23" rack.

Intelligence

Remote monitoring allows users to retrieve maintenance information, card specifics and card settings. Convenient remote provisioning allows card settings to be changed with the handy drop-down menus on a PC. Alarms do not go unnoticed because the alarms displayed on a remote PC duplicate the LED alarm, system status and line status information of the 360-80 being monitored. Alarm signals are provided in real time.

Time Savings

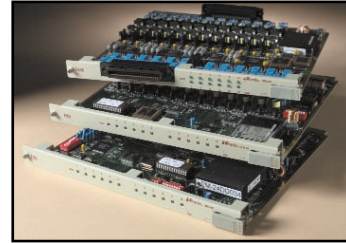
The half-size T1 Controller Module is self configuring, identifying and selecting the proper SF/ESF and AMI/B8ZS modes of operation consistent with the received T1 signal. This powerful card comes with two-way drop and insert capabilities and has built-in CSU capabilities. Standard LBO and signal gain settings for the T1 interface are software selectable.

Physical Specifications

IAD Enclosure:	Full-Size Channel Modules:	Half-Size/T1 Controller Channel Modules:
Height: 1.75"	Height: .75"	Height: .75"
Width: 17.00"	Width: 9.50"	Width: 5.50"
Depth: 12.00"	Depth: 9.25"	Depth: 9.25"



360-80 T1 Integrated Access Device



User-Selectable Analog and Digital Channel Modules

Revenue Generating

A need for fractional T1 is no problem in this streamlined IAD. Groomed timeslots for fractional T1s allow for split service of voice and data to multiple locations.

Cost Savings

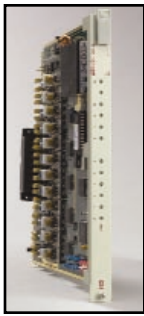
On a per shelf basis, the Charles 360-80 IAD supports more services than most models offered by competitors. This is accomplished by the high density of the channel modules.

High Reliability

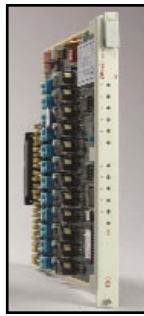
The 360-80 is not dependent on a separate power supply. Power is distributed on the channel modules, eliminating the possibility of a single point of failure. This also eliminates down time if service or maintenance is required. The secondary half-size channel module slot can be used for a redundant T1 Controller Module ensuring maximum availability in critical applications.

Analog Channel Modules

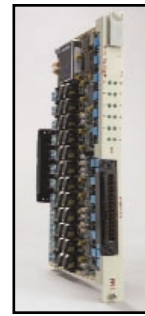
3 analog (voice) channel modules are modular and hot-swappable with 12 channels per card. Half-size modules are also available, supporting 6 channels per card.



The **3657-80 FXS/DPO** is a foreign exchange subscriber/dial pulse originating module that is configured for 2 wire applications. Some options offered on this card include Loop Start/Ground Start (LS/GS), 600/900 ohms, Reverse Battery for Dial Pulse Originating (DPO), Extended Range, and Private Line Automatic Ringdown (PLARD).



The **3658-80 FXO/DPT** is a foreign exchange office/dial pulse terminating module that is configured for 2 wire applications. Some options offered on this card include Loop Start/Ground Start (LS/GS), 600/900 ohms, Extended Range, and Dial Pulse Terminate (DPT) with wink.



The **3652-80 E&M** module is configured for 2 or 4 wire applications. It can interface in E&M type I, II, III, IV or V. Impedance is offered at 600 or 900 ohm and each channel can be individually assigned. It can be used in tandem or tie trunk applications.

Digital Channel Modules

4 digital (data) channel modules are modular and hot-swappable. Half-size modules are also available.

The **3632-80 OCU** is a Multi-Rate Office Channel Unit Data Port and allows access to the Digital Data System (DDS) using existing metallic facilities. This module offers sub-rate interfaces 2.4 to 19.2 Kb, SW56, and 56/64Kb. This module supports 12 channels per card (half-size module supports 6 channels per card).

The **3633-80 OCU** is a Multi-Rate Async/Sync Data Service Unit providing 12 channels of service at data rates from 1.2 to 64Kb/s with V.35, RS-422, and RS-530 interfaces. This module supports 12 channels per card (half-size module supports 6 channels per card).

The **3638-80 ISDN** module is an Integrated Services Digital Network U-Interface that allows the transport of Basic Rate (2B+D, B+D, or D) information over T1 carrier facilities. This module supports 4 channels per card (half-size module supports 2 channels per card).

The **3634-80 56/64xN** module can support rates up to 1/536Mb/s. It supports a V.54 loopback. This module supports 6 channels per card (half-size module supports 3 channels per card).

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