PRODUCT INFORMATION

Ascend

B-STDX 8000/9000

4-Port Channelized E1 Module



The 4-Port E1 Channelized Module for the B-STDX 8000 and B-STDX 9000 Multiservice WAN switches contains four integral E1 CSU/DSUs and provides a D4 or ESF channel format E1 connection. This makes it easy and economical to interface to multiple sites over a single E1 connection, eliminating the need for numerous cables in "groom and fill" operations. The symmetrical architecture of the B-STDX switches allows any n x DS0 data link channels on the module to function as network, user port or interswitch trunks, all dynamically configurable via software.

Flexible design provides connectivity options

Users can map the DS0 channels on the E1 interface to a maximum of 31 HDLC data links. The contiguous or non-contiguous n x DS0 channels compose each HDLC data link. Each of the module's n x DS0 data link channels can be configured as DCE or DTE for a variety of logical port functions. Users can leave traffic in its original D4 or ESF channel format, eliminating expensive equipment extra data handling and improving reliability by reducing the introduction of errors.

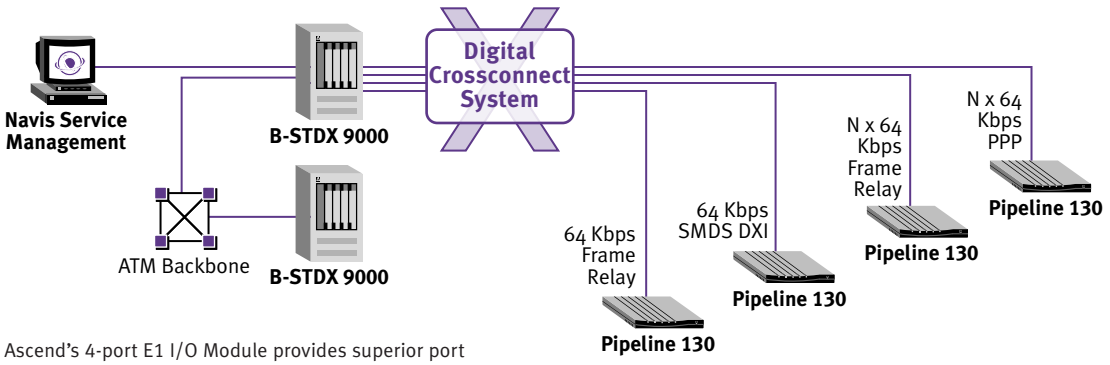
- Four E1 ports per module (channelized or unchannelized)
- Both E1 and Fractional E1 interfaces
- Distributed processing allows performance to scale with density
- Four integral E1 CSU/DSUs supporting D4 or ESF frame format
- Dynamic software reconfiguration of ports as network, user or trunk interfaces for maximum flexibility
- PVC and SVC support
- Support for external, looped time or internal clock input
- 1,000 Virtual Connections per module
- Maximum Trunk PVC support of 2000 per module

Carrier-class switches ensure high availability, reliability and scalability

Ascend products offer superior scalability, high network availability and maximum reliability in mission-critical carrier-class environments. Exceptional QoS support with Priority Frame and Priority Reroute capabilities provides different levels of service for emerging applications. Superior design supports growing networks with leading edge hardware and shared software components. The powerful hardware architecture delivers exceptional scalability for high-bandwidth transmission environments or high port density configurations.

- Fault tolerant Permanent Virtual Circuits and Switched Virtual Circuits
- Fast circuit setup and rerouting

4-Port Channelized E1 I/O Module in Action



Ascend's 4-port E1 I/O Module provides superior port density for easy and cost-effective WAN connectivity to multiple sites over a single E1 connection.

Powerful management provides advanced network control

Navis™ network and service management software lets service providers deliver new networking services to business and enterprise customers more quickly and profitably. Sophisticated applications deliver add-on functions such as service level agreements and real-time statistics monitoring. Exceptional management of Ascend networking nodes, using industry-standard protocols, builds seamless network management across Ascend core switching products for all network services: ATM, Frame Relay, IP private line and ISDN.

- Multiservice management from a single platform
- Extensive configuration, performance management and security support
- Reduced operating costs

Managed by Navis™

Specifications

Physical dimensions	Size: 15 in x 1 in x 10 in [38.1 cm x 2.54 cm x 25.4 cm] Weight: 3 lb [1.4 kg]
Power requirements	40 watts
Temperature range	32° – 122° F [0° to 50° C]
Agency approvals	FCC Part 15 Class A EN55022 (CISPR Class A) NEBS GR-63-CORE, GR-1089-CORE
Physical interfaces	Four E1 (1.54 Mbps) ports Input clock source: RJ-48
Connectors	15-pin Sub-D male connector or RJ-48 8-pin modular connector; both connector types supplied
Signal levels	Receive: 0 dB to -30 dB Transmit: 0 dB, -7.5 dB, -15 dB Jitter meets or exceeds template defined in AT&T Publication 62411 Provides internal stratum 4 network clock
Loopbacks	Supports line and payload DS0, DS1 loopbacks
Interface standards	AT&T Publication 62411 AT&T Publication 54016 Bell TR-NPR-000054 Bell TR-NPR-000194 CCITT G.703 CCITT G.704 ANSI T1.403 FCC Part 68 Line coding: AMI, B8ZS Framing: D4, ESF Network interfaces: DS1 Integral E1 CSU/DSU E1 line coding options: Zero encoding Timing options: Jammed bit, B8ZS, timing, loop timing, interval timing

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Ascend Communications, Inc. develops, manufactures and sells wide area networking solutions for telecommunications carriers, Internet service providers and corporate customers worldwide. For more information about Ascend and its products, please visit the Ascend Web site at http://www.ascend.com, or e-mail info@ascend.com.

Ascend markets the B-STDX, CBX, GRF, GX, IP, MAX, Multiband, MultiDSL, Navis, Pipeline, SA, SecureConnect and STDX families of products. Ascend products are available in more than 40 countries worldwide.

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