PRODUCT INFORMATION

Ascend

B-STDX 9000
2-port Ethernet I/O Module



The Ethernet 10/100Base-T I/O Module for the B-STDX Multiservice WAN switch provides high-speed Ethernet access to the Ascend switching fabric. Used with IP Navigator™ and operating as a standard IP routing interface, the Ethernet 10/100Base-T I/O Module provides users with a high-speed interface for local Internet/intranet servers, dial access concentrators such as the MAX TNT and integration of existing routers.

Flexible design supplies Internet services and value-added services

The Ethernet 10/100Base-T I/O Module enables a service provider to easily offer both Internet hosting services and value-added IP routing services that are inherent in IP Navigator. IP traffic received from the Ethernet module is forwarded over a Multipoint-to-Point Tunnel (MPT) built by IP Navigator, or over a regular Permanent Virtual Circuit (PVC). Similarly, traffic received from the network is forwarded from the MPT or PVC to the appropriate Ethernet segment and address.

Enhanced architecture improves network performance and protects investment

The Ethernet 10/100Base-T I/O Module reduces bottlenecks to dial access equipment, improving network performance with high-speed 100 Mbps connections. This enhanced performance enables new service opportunities with direct access to LAN-attached Web, mail, security and transaction processing servers, while protecting the investment in existing LAN server equipment.

Carrier-class switches ensure high availability, reliability and scalability

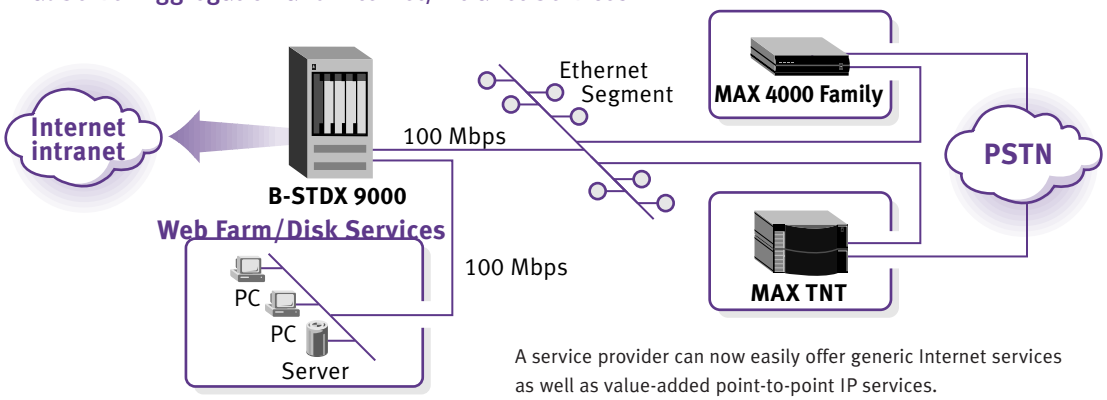
Ascend products offer industry-leading scalability, high network availability and maximum reliability in mission-critical carrier-class environments through distributed routing, redundancy, hot swap and live insertion capabilities. Exceptional Quality of Service support with Priority Frame and Priority Reroute capabilities provide different levels of service for emerging Frame Relay applications. Superior architecture 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. Distributed switching and routing tables combine to furnish fast routing decisions.

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

Navis service management provides advanced network control

The Navis™ service management suite of powerful network management applications lets service providers deliver new networking services to business and enterprise customers more quickly and profitably. Sophisticated applications deliver add-on functions such as automated provisioning, accounting, service level agreements and real-time statistics monitoring. The Navis service management system offers exceptional

Dial Server Aggregation and Internet/intranet Services



A service provider can now easily offer generic Internet services as well as value-added point-to-point IP services.

management of Ascend networking nodes, using industry-standard TCP/IP protocols and builds seamless network management across Ascend core switching products for all network services: ATM, Frame Relay, IP private line and ISDN. Navis provides a CLI for monitoring and configuring appropriate parameters and collecting performance statistics for Ethernet and asynchronous serial console connections. In addition, Web-based interfaces allow cost-effective customer network management.

- Integrated solution for complete control across the WAN
- Service Level Agreements
- Multiservice management from a single platform
- Extensive configuration, performance management and security support
- Fast and profitable delivery of new services
- Reduced operating cost

Operational Features

Protocols supported

TCP	ICMP	INARP
SNMP	RIP	BGP4
Traffic and route filters	IP QoS	MOSPF
IGMP	UDP	ARP
Telnet, TFTP, FTP	OSPF	RIP 2
Static Routing	DVMRP	PIM

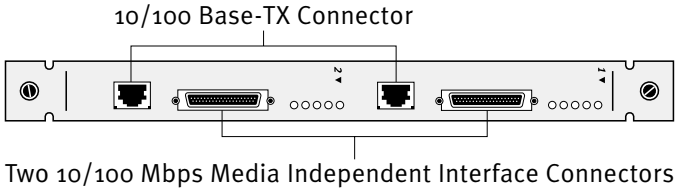
Management

RFC 1398 Ethernet MIB RFC 1213 TCP/IP-based Internets MIB

Specifications

Dimensions	Size: 1 in x 16 in x 11 in [2.5 cm x 40.6 cm x 27.9 cm]
Power requirements	45 watts
Agency approvals	EN55022 Class A (CISPR) EN50082 FCC Part 15 Class A
Temperature range	32° – 122°F [0° – 50°C]
NEBS	GR-63-CORE GR-1089-CORE
Physical interfaces	Two RJ45 connectors (two-pair, category UTP) or two Media Independent interface (MII) connectors
Interface standards	802.3-compliant 10/100 Base TX Support for 10/100 Mbps rate and full or half-duplex Auto-negotiation for 10 or 100 Mbps rate and full-or half-duplex Internal and external Loopback

B-STDX 9000 Ethernet 10/100Base-T I/O module back panel



Ascend Communications, Inc.

Worldwide and North American Headquarters
One Ascend Plaza
1701 Harbor Bay Parkway
Alameda, CA 94502, United States
Tel: 510.769.6001
Fax: 510.747.2300
E-mail: info@ascend.com
Toll Free: 800.621.9578
Fax Server: 415.688.4343
Web Site: http://www.ascend.com

European Headquarters
Rudolf-Diesel-Strasse 16
D-64331 Weiterstadt
Germany
Tel: +49.6150.1094.10
Fax: +49.6150.1094.98

Japan Headquarters
Level 19 Shinjuku Daiichi-Seimei Bldg.
2-7-1 Nishi-Shinjuku
Shinjuku-ku, Tokyo 163-07, Japan
Tel: +81.3.5325.7397
Fax: +81.3.5325.7399
Web Site: http://www.ascend.co.jp

Asia-Pacific Headquarters
Suite 1908, Bank of America Tower
12 Harcourt Road
Hong Kong
Tel: +852.2844.7600
Fax: +852.2810.0298

Latin, South America and the Caribbean Headquarters
One Ascend Plaza
1701 Harbor Bay Parkway
Alameda, CA 94502, United States
Tel: 510.769.6001
Fax: 510.747.2669

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.

Ascend and the Ascend logo are registered trademarks and all Ascend product names are trademarks of Ascend Communications, Inc. Other brand and product names are trademarks of their respective holders.

Specifications are subject to change without notice.

© Copyright 1998 Ascend Communications, Inc.

01-126

9/98

ASCEND Where Network Solutions Never End™

ISO 9001 REGISTERED