CBX 500

6-Port DS3/E3 Frame/IP Processor Card

The 6-Port DS3/E3 Frame/IP Processor Card transforms the CBX 500 ATM Switch into a multiservice platform, providing users with both high-performance broadband access and IP Server functionality. The DS3/E3 processor provides both IP routing for cell- and frame-based IP traffic as well as clear channel DS3/E3 Frame Relay switching. The CBX 500 16-slot modular architecture can support up to 84 DS3/E3 Frame Relay ports per switch.

High-speed Frame Relay

The DS3/E3 Processor Card performs Frame Relay switching as well as Frame Relay to ATM Interworking (FRF.5 and FRF.8), allowing Frame Relay users to utilize high speed ATM trunking. The DS3/E3 processor introduces the broadest support for Frame Relay Forum standards, plus Ascend's value-add software features, such as IP Navigator™, Priority Frame™, OPTimum Trunking, Virtual Private Networks, and direct trunks to the CBX 500 Multiservice Switch.

IP routing

In addition to Frame Relay/IP services, the DS3/E3 Processor Card works in conjunction with IP Navigator to provide routing functionality for the entire switch. CBX 500 IP routing is made possible by distributing a local IP Forwarding Engine (FE) on each Frame/IP Processor Card. The FE performs IP routing decisions for IP traffic arriving from either common DS3/E3 port on the same module, from any ATM port or ports on the same switch, or from any ATM Multipoint-to-Point Tunnel (MPT) in the network. (See the diagram.)

IP server

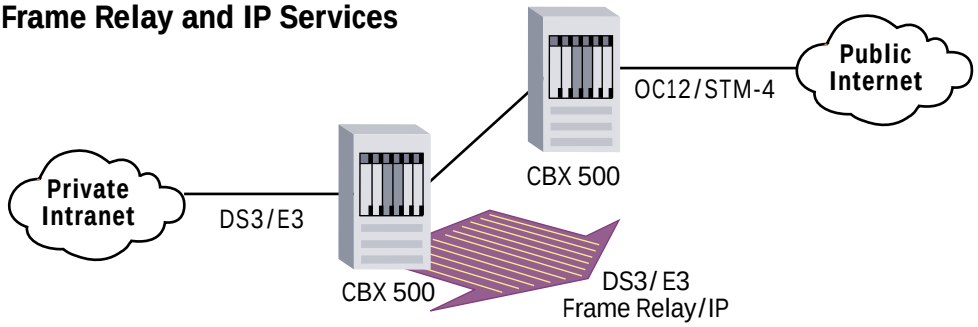
The DS3/E3 Frame/IP Processor Card can also provide IP server functionality for IP areas over ATM.

Superior operational features

The DS3/E3 Frame/IP Processor Card gives service providers increased functionality with lower costs. Integral CSU/DSU functionality lowers hardware costs. Superior operational features including BERT pattern, C-Bit Parity Format, per-port user or trunk provisioning lower provisioning costs. Extensive diagnostic capability including comprehensive performance monitoring, link statistics and line, load and diagnostic loopbacks help lower operational costs.

The DS3/E3 Frame/IP Processor Card provides 640K pps/module (128 byte packets).

High Speed Frame Relay and IP Services



With the 6-port DS3/E3 Processor Card, the CBX provides High Speed Frame Relay and IP services.

ASCEND

Specifications

Physical dimensions

- Size: 1 in x 16 in x 11 in (2.5 cm x 40.6 cm x 27.9 cm)
- Weight: 5 lb (2.3 kg)

Agency approvals

Electromagnetic Emissions Certifications

- FCC Part 15 Class A
- EN55022 (CISPR Class A)
- NEBS GR-63-CORE, GR-1089-CORE
- UL 1950, EN60950

Temperature range

- 0-50°C (32-122°F)

Physical interfaces

- 6 DS3 (44.736 Mbps) ports
- 6 E3 (34.368 Mbps) ports

Physical connectors

- Dual 75 ohm BNC connector

Interface standards

- ANSI T1.102

Ordering information

Description	Product code
6-port DS3 Frame/IP Processor Card	11101
6-port DS3 Frame/IP Connector Panel	11102
6-port E3 Frame/IP Processor Card	11104
6-port E3 Frame/IP Connector Panel	11105

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
Rosemount House
Rosemount Avenue, West Byfleet
Surrey KT14 6NP, United Kingdom
Tel: +44 (0) 1932.350.115
Fax: +44 (0) 1932.350.199

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, IP, MAX, Multiband, MultiDSL, Navis, Pipeline, SA, SecureConnect and STDX families of products. Ascend products are available in more than 30 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 1997 Ascend Communications, Inc.

01-103
09/97

ISO 9001
REGISTERED

ASCEND