

296 Line Card

The 296 Line Card is a 16-port, high-speed, multi-protocol line card that serves as a high performance platform for mission-critical applications. Software-selectable ports can be configured to RS232, RS530 or V.35. Because you do not have to remove the card from service in order to turn up a new network element, you get complete software control of the physical port interfaces and the ability to reboot a single port without affecting other ports. The line card has both an internal IRB connection and external 10BaseT port for TCP/IP access.

- Reduce OSS integration costs
- Gain intelligence at the edge
- Improve return on current network investments
- Increase efficiency of OSS
- Gain flexibility and scalability

Reduce OSS integration costs

This line card greatly eases integration of network elements to existing and new generation OSS's, giving you a seamless migration and saving you time and money.

Gain intelligence at the edge

The 296 Line Card pushes intelligence to the edge – closer to the network elements where the economic advantages of “any to any” protocol mediation and aggregation are needed.

Improve return on current network investments

This line card allows legacy network elements to interact with existing and new generation OSS's, extending their useful life.

Increase efficiency of OSS

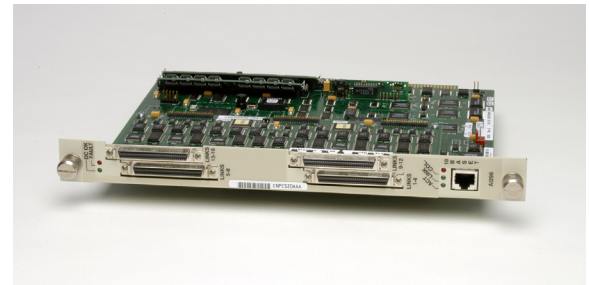
The 296 Line Card provides network elements and OSS systems with a seamless migration to IP, saving both hardware and software costs.

Gain flexibility and scalability

Line card installations allow for quick and flexible scalability to match your current and future needs.

296 Applications

This line card provide numerous application layer mediation functions between network elements (NE's) and operations support systems. This allows you to adapt any NE or OSS interface to Async, Sync, BX.25, X.25, TCP/IP. Depending on specific customer needs, this unique product can provide a variety of functions at the edge, including protocol mediation, and cost effective aggregation.



Key features of the 296 Line Card include:

- BX.25 session layer support
- Record user logins
- Remote termination of shell connection
- TACACS+
- BootP
- Radius
- TFTP protocol
- AMATPS support
- Idle-timeout for asynchronous ports
- Centralized configuration management

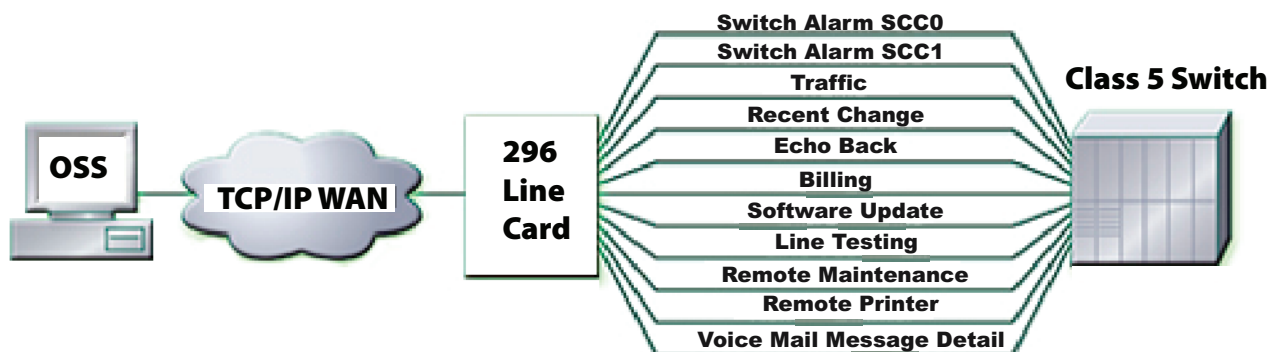


Figure 1: The 296 Line Card provides network elements and OSS systems with a seamless migration to IP.

296 Line Card

FUNCTIONAL SPECIFICATIONS

Input/output Communication Ports:

- 10/100BaseT
- 16 synchronous/asynchronous ports

Supported Protocols:

- X.25
- BX.25
- TCP/IP
- AEPN
- Asynchronous
- TACACS+
- RADIUS
- FTP
- Telnet
- SNMP
- BootP

Management & Management Access:

- AppliedView/SNMP
- FTP
- Telnet
- Craft access port

Status Indicators:

- Power and alarm summary

Events/Alarms:

- SNMP alarm and event reporting

Supported Chassis Systems:

- Switch 180
- Switch 130
- Switch 120
- Switch 110

PHYSICAL SPECIFICATIONS

Depth:	8.75 in., (22.23 cm)
Height:	11.9 in., (30.23 cm)
Width:	1.3 in., (3.30 cm)
Weight:	5.7 lbs (2.59 kg)
Rack mounting:	19-inch or 23-inch racks, as determined by Switch chassis systems

Power Requirements:

- Via Switch backplane
- 16.20W power consumption
- 4.2 A at +5 VDC, maximum current draw

Compliance/Certifications/Standards:

- CE
- FCC part 68 and part 15
- NEBS level 3 compliant
- UL60950
- GR2834

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