

1-Port T1, E1 Enhanced Digital Voice Port Adapter for the Cisco 7200, 7400 and 7500 Series Routers

Introduction

Cisco Systems announces the new one-port enhanced digital voice port adapters, PA-VXA-1TE1-24+ and PA-VXA-1TE1-30+, for the Cisco 7200, 7400 and 7500 Series routers. Both port adapters offer the same industry-leading feature set and performance. The cards differ only in their overall voice channel capacity. These single-width port adapters provide a highly integrated solution for time division multiplexer (TDM) voice termination and packet voice processing for IP, Frame Relay and ATM networks. A complete set of signaling enhancements is supported on Cisco 7200, 7400, and 7500 Series routers, making these products ideal for voice and data processing in enterprise and service provider networks.

The enhanced digital voice port adapters offer an end-to-end, interoperable, voice-over-IP (VoIP) solution with the Cisco 1750, 2600, 3600, 3660, 3810, 5300, 5800, 7200, 7400 and 7500 products. Powerful voice management on the 7200, 7400 and 7500 routers is offered through Cisco Voice Manager 2.0 Web-based user interface for provisioning, configuration, and monitoring functions. Device-level network management is also available using the Cisco Element Management Framework (CEMF)-based Element Management System (EMS). End-to-end network management and Fault, Configuration, Accounting, Provisioning, and Security (FCAPS) are provided using CIC (Cisco Information Center), CPC (Cisco Provisioning Center) and third-party FCAPS products.

Features

Voice Support:

Part Number	Description
PA-VXA-1TE1-24+	24 channels of medium-complexity codec
PA-VXA-1TE1-30+	30 channels of medium-complexity codec

Voice over IP:

H.323 version 2



Voice over Frame Relay:

FRF.11

Voice over ATM:

- AAL5
- AAL1 (CES)
- AAL2 (on Cisco 7200 only)

Packet Signaling protocols:

- H.323 version 2
- Media Gateway Control Protocol (MGCP)

Fax Relay:

- T.30 fax protocol with relay
- V.17
- V.29
- V.27

Echo cancellation:

- 32 ms meeting G.165 Standard

Signaling:

- E1 CAS
- T1 CAS
- E1 R2
- PRI User and Network Side
- Multi-D
- Q.SIG
- FG-D2
- Transparent CCS

Voice Codecs Supported:

High Complexity Codecs

- G.729
- G.729b
- G.723.1
- G.723.1a
- G.728
- GSM/EFR

Medium Complexity Codecs

- G.729a/b
- G.726
- G.711

Ordering Information:

Part Number	Description
PA-VXA-1TE1-24+	1 Port T1/E1 High-Capacity Enhanced Digital Voice Port Adapter with 24 channels
PA-VXA-1TE1-24+=	1 Port T1/E1 High-Capacity Enhanced Digital Voice Port Adapter with 24 channels
PA-VXA-1TE1-30+	1 Port T1/E1 High-Capacity Enhanced Digital Voice Port Adapter with 30 channels
PA-VXA-1TE1-30+=	1 Port T1/E1 High-Capacity Enhanced Digital Voice Port Adapter with 30 channels

Orderability

Now

First Shipment

Cisco IOS® Software Release 12.2(4)T for Cisco 7200 and Cisco 7500 Series routers, November, 2001

Cisco IOS Software Release 12.2(4)B for Cisco 7400 Series Internet Router, November, 2001



Corporate Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 526-4100

European Headquarters
Cisco Systems Europe
11, Rue Camille Desmoulins
92782 Issy Les Moulineaux Cedex 9
France
www.cisco.com
Tel: 33 1 58 04 60 00
Fax: 33 1 58 04 61 00

Americas Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-7660
Fax: 408 527-0883

Asia Pacific Headquarters
Cisco Systems Australia, Pty., Ltd
Level 17, 99 Walker Street
North Sydney
NSW 2059 Australia
www.cisco.com
Tel: +61 2 8448 7100
Fax: +61 2 9957 4350

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