

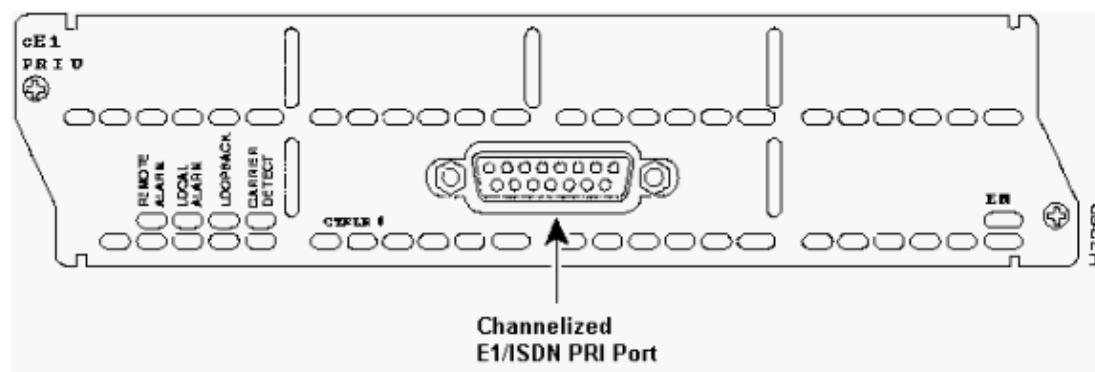
Understanding 1- or 2-Port ISDN PRI/Channelized E1 Network Modules

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Introduction

The channelized E1/ISDN Primary Rate Interface (PRI) modules are available with one or two E1 ports with balanced or unbalanced interfaces and are compatible with the International Telecommunication Union Telecommunication Standardization Sector (ITU-T) G.703/G.704 specifications. The channelized E1/ISDN PRI modules receive and transmit data bidirectionally at the E1 rate of 2.048 Mbps and provide up to 30 virtual channels per E1 port.



Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

This document is not restricted to specific software and hardware versions.

Conventions

Refer to Cisco Technical Tips Conventions for more information on document conventions.

Product Numbers

NM-1CE1B	One-Port Channelized E1 or ISDN Primary Rater Interface (E1/ISDN PRI) Network Module, 120 ohm balanced
NM-2CE1B	Two-Port Channelized E1/ISDN PRI Network Module, 120 ohm balanced
NM-1CE1U	One-Port Channelized E1/ISDN PRI Network Module, 75 ohm unbalanced
NM-2CE1U	Two-Port Channelized E1/ISDN PRI Network Module, 75 ohm unbalanced

Refer to the Fast Ethernet Plus Channelized E1/PRI network modules.

Features

- One or two E1 ports
- Supports Channelized E1 or ISDN PRI
 - ◆ Each port is configured independently. You can configure one port for ISDN and the other for channelized E1.
- Supports framed G.704. Refer to Understanding 1 and 2 Port E1 Multi-Flex Trunk Voice/WAN Interface Cards (VWICs) for unframed G.703.
- They are available in balanced 120 ohm and unbalanced 75 ohm. Each requires different physical hardware. You cannot add hardware to an existing card in the field in order to upgrade.
- Interface is DB-15.

Platform Support

Product Name	Cisco 2600	Cisco 2600XM	Cisco 3620, 3640	Cisco 3631	Cisco 3660	Cisco 2691, 3725, 3745
NM-1CE1B	Cisco IOS® Software Releases 11.3(4)T, all 12.x	all Cisco IOS Software releases	all Cisco IOS Software releases	all Cisco IOS Software releases	Cisco IOS Software Releases 12.0(7)XK, 12.1T, 12.2, 12.2T	all Cisco IOS Software releases
NM-1CE1U	Cisco IOS Software Releases 11.3(4)T, all 12.x	all Cisco IOS Software releases	all Cisco IOS Software releases	all Cisco IOS Software releases	Cisco IOS Software Releases 12.0(7)XK, 12.1T, 12.2, 12.2T	all Cisco IOS Software releases
NM-2CE1B	Cisco IOS Software Releases	releases all Cisco IOS Software releases	releases all Cisco IOS Software releases	releases all Cisco IOS Software releases	12.1T, 12.2, Cisco IOS Software Releases 12.0(7)XK, 12.2T	releases all Cisco IOS Software releases

	11.3(4)T, all 12.x				12.1T, 12.2, 12.2T	
NM-2CE1U	Cisco IOS Software Releases 11.3(4)T, all 12.x	all Cisco IOS Software releases	all Cisco IOS Software releases	all Cisco IOS Software releases	Cisco IOS Software Releases 12.0(7)XK, 12.1T, 12.2, 12.2T	all Cisco IOS Software releases

Note: The Cisco IOS Software releases provided are typically the minimum version required in order to support the platform, module, or feature in question. Use the Software Advisor (registered customers only) in order to choose appropriate software for your network device: match software features to Cisco IOS and CatOS releases, compare IOS releases, or find out which software releases support your hardware.

Configuration

On the 1- or 2-Port ISDN PRI/Channelized E1 Network Module, the interfaces are addressed as **controller** <slot>/<unit>. Concurrent ISDN BRI and PRI module support requires Cisco IOS Software Release 11.3(3)T.

Refer to Configuring Channelized E1 and Channelized T1 for configuration assistance.

Configure the interface as you normally would a Channelized E1/PRI interface on any other router.

Field Notices

- Field Notice: Cisco 3600 T1/E1 PRI Module Upgrade
- Field Notice: Cisco 3600 T1/E1 PRI Module Watchdog Timeouts

Related Information

- [Configuring Channelized E1 and Channelized T1](#)
- [OIR Support for Analog and Digital Modem Network Modules](#)
- [Dial and Access Technology Support Page](#)
- [Technical Support & Documentation – Cisco Systems](#)

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