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Tech Notes

Understanding the 1-Port Serial WAN Interface Card (WIC-1T)

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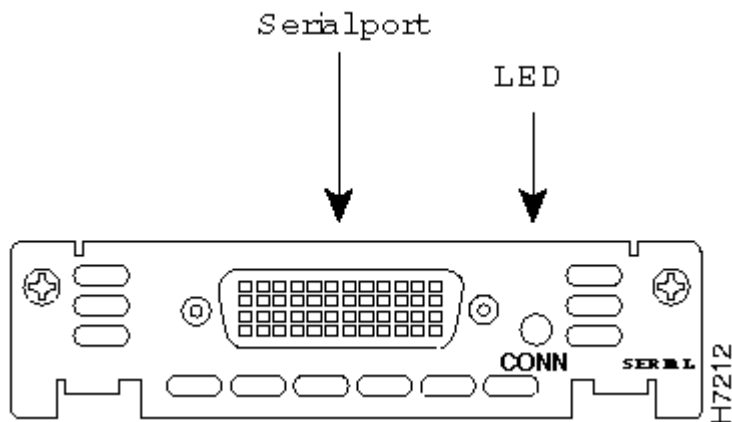
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Introduction

The 1-port serial WAN interface card (WIC-1T) provides serial connections to remote sites or legacy serial network devices such as Synchronous Data Link Control (SDLC) concentrators, alarm systems, and packet over SONET (POS) devices.



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 Number

WIC-1T	One Port Serial WAN Interface Card
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Features

- One serial port.
- Uses the Cisco [60-pin "5-in-1"](#) connector. This connector is DB-60 on one end and can be V.35, RS-232, RS-449, X.21 or EIE-530 on the other end depending on your needs
- Uses the same cabling as Cisco 2500 and Cisco 7000 serial ports.
- Does not support hot swap, however no hardware damage will occur if it is swapped while the power is on.
- Each serial card has one LED, labeled CONN for each port, which lights when the serial port is connected. When the port is in data terminal equipment (DTE) mode, the CONN LED indicates that Data Set Ready (DSR), Data Carrier Detect (DCD), and Clear To Send (CTS) have been detected. When the port is in data communications equipment (DCE) mode, it indicates that Data Terminal Ready (DTR) and Request To Send (RTS) have been detected.

Platform Support

Cisco IOS® Software Support	Cisco 1600	Cisco 1700	Cisco 2600, 2600XM	Cisco 3600		Cisco 3631	Cisco 2691, 3725, 3745
Carrier Module	Not required	Not required	On-board	NM-2W	NM-1E2W , NM-1E1R2W , NM-2FE2W	Not required	On-board NM-1FE2W , NM-1FE1R2W , NM-

				2E2W	NM-2W		2FE2W, NM-2W
Cisco IOS software support	All Cisco IOS versions	All Cisco IOS versions	All Cisco IOS versions	All Cisco IOS versions	All Cisco IOS versions	Cisco IOS versions 12.2(13)T and higher	Cisco IOS versions 12.2(13)T, 12.2(11)YT and higher
Sync Max Speed	2.048 Mbps	2.048 Mbps	2.048 Mbps	2.048 Mbps	2.048 Mbps	2.048 Mbps	2.048 Mbps
Async Max Speed	115.2 Kbps	115.2 Kbps	Not supported	Not supported	Not supported	Not supported	Not supported
Bisync and Half Duplex	Cisco IOS Versions 11.2(8)P and later	All Cisco IOS versions	All Cisco IOS versions	Cisco IOS Versions 11.2(4)XA, 11.3, 11.3T, and all 12.x	Cisco IOS versions 12.2(13)T and higher	Cisco IOS versions 12.2(13)T, 12.2(11)YT and higher	Cisco IOS versions 12.2(13)T, 12.2(11)YT and higher

Note: All parameters mentioned in this table for the Cisco 1700 series routers are also applicable to Cisco 1800 series routers.

Configuration

This section provides a sample configuration for the WIC-1T interface card.

Note: There are no framing, clocking, or linecode parameters or commands being used here. The WIC-1T interface card does not have an integrated CSU/DSU. You need to use an external CSU/DSU.

Configure the serial interface just as you would any other serial interface. For example,

```
maui-soho-01(config)#interface Serial 0
maui-soho-01(config-if)#ip add 10.0.0.1 255.255.255.0
maui-soho-01(config-if)#encapsulation ppp
maui-soho-01(config-if)#no shutdown
```

If your platform supports async, then use the **physical-layer async** command for async mode. Such an application is useful to connect an external modem to the router. Refer to the document [2 Port Async/Sync WAN Interface Card \(WIC-2A/S\)](#) for an example.

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[LAN to LAN between 2 ASA5505s Step-by-Step](#) - Sep 18, 2008

Related Information

- [One- and 2-Port Serial and Asynchronous High-Speed WAN Interface Cards for Cisco 1800, 2800, and 3800 Series Integrated Services Routers](#)
- [Cisco Signaling Link Terminals Cisco IOS Release 12.4T feature module](#)
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