Using WIC−1DSU−56K4 Interface Cards on Cisco 1600, 1700, 2600, 3600 and 3700 Series Routers

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Introduction

This document provides an overview of the WIC−1DSU−56K4 interface card, and provides a sample configuration to use this interface card on Cisco 1600, 1700, 2600, 3600 and 3700 series router platforms.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

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

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

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

Features

The four−wire 56k Channel Service Unit/Data Service Unit (CSU/DSU) implements switched 56k and Digital Data Storage (DDS or leased line) operation, and also:

- Supports DDS loop rates 2.4, 4.8, 9.6, 19.2, 38.4, 56, and 64 kbps.
- Supports Switched 56 operation at 56 kbps (AT&T Pub. 41458, Sprint TS−0046)
- Has receiver sensitivity of −45db at all loop rates.
- Has these diagnostic functions:

- Self Test Function (at power on and user initiated) Network line, and data terminal equipment (DTE) loopbacks.
- User initiated DTE, line, and remote V.54 loopbacks.

Supported Platforms

This table lists the various platforms that are supported:

Platform	Cisco IOS Software Support
1600	CiscoIOS® Software Release 11.2(9)P, 11.3(3)T, and all 12.x releases.
1700	All Cisco IOS Software Releases.
2600, 2600XM	All Cisco IOS Software Releases.
3620, 3640	Cisco IOS Software Release 11.2(4)XA, 11.2(5)P, all 11.3, 11.3T, and all 12.x releases.
3631	All Cisco IOS Software Releases.
3660	All Cisco IOS Software Releases.
2691, 3725, 3745	All Cisco IOS Software Releases.

Sample Configuration

Here is a sample configuration suitable for a WIC−1DSU−56K4 interface card.

Note: There are no **framing** or **linecode** commands. This is because the 56k card is not a T1, and does not relate to timeslots. There are 24 timeslots in a T1:

Note: 24 x 64 DS0s=1.544m

Note: This card is strictly 56k, and timeslots are not relevant. Here is the configuration:

Configuration

```
interface serial 0/0
service-module 56k clock rate 56
service-module 56k clock source internal
ip address 10.1.1.1 255.255.255.0
encapsulation ppp
no shut
```

Related Information

- **Cisco 1600 Series Routers**
- **Cisco 1700 Series Modular Access Routers**
- **Cisco 2600 Series Multiservice Platform Routers**
- **Cisco 3600 Series Multiservice Platform Routers**
- **Overview of Cisco Interface Cards for Cisco Access Routers**

- **Installing Cisco Interface Cards in Cisco Access Routers**
- **Technical Support & Documentation – Cisco Systems**

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