

# Understanding the 1-Port ISDN BRI (S/T) WAN Interface Card (WIC-1B-S/T or WIC36-1B-S/T)

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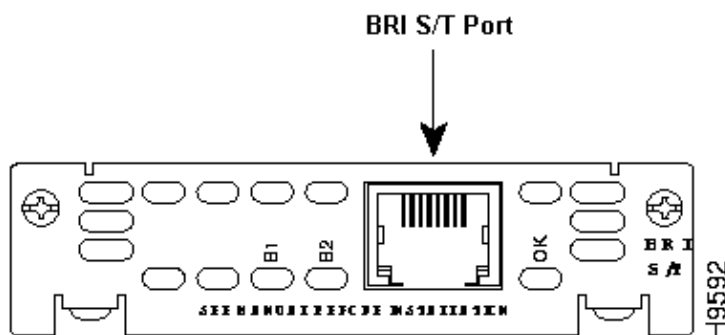
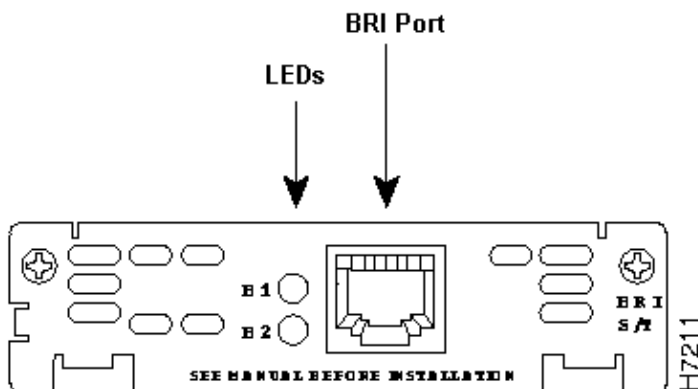
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## Introduction

Three versions of the ISDN Basic Rate Interface (BRI) S/T WAN interface card (WIC) are available: the WIC36-1B-S/T, WIC-1B-S/T and WIC-1B-S/T-LL. These cards offer a single ISDN BRI S/T-interface. These WICs can require an external NT-1 that depends on the region of the world. The WIC inserts into a mixed-media network module or directly into the WIC slot on the Cisco 1600, 1700, 2600, 3600 or 3700 chassis. The ability to add BRI connectivity via a WIC lets administrators maximize valuable slot space while it provides additional connectivity options, such as Ethernet, on the same module.

**Note:** The WIC-1B-S/T-LL is for leased line BRIs.



These are the differences between the two:

- The product number is printed on a label on the under side of the WIC.
- The WIC36 has a keying tab on the left-hand side of the WIC.
- The WIC-1B-S/T has an "OK" LED.
- Use the Cisco IOS® **show diag** command in order to see which WIC is in a network module.

## 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

WIC36-1B-S/T	One ISDN BRI port (S/T interface, requires external NT-1)
WIC-1B-S/T	One ISDN BRI port (S/T interface, requires external NT-1)

## Features

WIC36-1B-S/T	WIC-1B-S/T
<ul style="list-style-type: none"><li>• One ISDN BRI port (S/T interface, requires external NT-1)</li><li>• RJ-45 connector</li><li>• Not compatible with Cisco 1600, 1720, 2600 or 3700 series</li><li>• Does not support hot swap, however no hardware damage will occur if it is swapped while power is on</li><li>• Maximum of 1 per NM-1E2W, NM-1E1R2W, and NM-2E2W card</li></ul>	<ul style="list-style-type: none"><li>• One ISDN BRI port (S/T interface, requires external NT-1)</li><li>• RJ-45 connector</li><li>• Supported on Cisco 1600, 1720, 2600, 3600 or 3700 series</li><li>• Cannot be used with Cisco 1603 or 1604 base units</li><li>• Does not support hot swap, however no hardware damage occurs if it is swapped while power is on</li><li>• Can go into slot "W0" or "W1" of the 1E2W, 2E2W, and 1E1R2W</li></ul>

<ul style="list-style-type: none"> <li>• Insert ONLY into slot "W1" of the 1E2W, 2E2W, and 1E1R2W network modules. The NM is physically keyed.</li> <li>• Not supported in NM-1FE1R2W, NM-1FE2W, NM-2FE2W, NM-2W</li> <li>• Cannot mix in same network module with a WIC-1B-S/T WIC. A WIC-1B-S/T can be used in a different network module in the same chassis.</li> <li>• End of Sales date 31-Aug-1997</li> </ul>	<p>Network Modules</p> <ul style="list-style-type: none"> <li>• Supported in NM-1FE1R2W, NM-1FE2W, NM-2FE2W, NM-2W</li> <li>• Do not insert into the same network module that already has a WIC36-1B-S/T card. A WIC36-1B-S/T can be used in a different network module in the same chassis.</li> </ul>
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## Platform Support

Platform	Cisco 1601(R), Cisco 1602 (R), Cisco 1605-R	Cisco 1603, Cisco 1603-R, Cisco 1604, Cisco	Cisco 1720, 1750, 1760	Cisco 2600, 2600XM		Cisco 3620, Cisco 3640		Cisco 3631
Carrier Module	Not Required	1604-R Not Required	Not Required	on-board	NM-2W	NM-1E2W, NM-1E1R2W, NM-2E2W	NM-1FE2W, NM-1FE1R2W, NM-2FE2W, NM-2W	Not Required
WIC-1B-S/T	All Cisco IOS Software releases	not supported	all Cisco IOS Software releases	all Cisco IOS Software releases		All Cisco IOS Software Releases 11.2(4)XA, 11.2(5)P, all 11.3, 11.3T, all 12.x		all Cisco IOS Software releases
WIC36-1B-S/T	not supported	not supported	releases not supported	not supported		11.x, 12.0, 12.0T, 12.1, 12.1T, 12.2. Not supported in 12.2T.		releases not supported

## Configuration

The WIC BRI interface configuration is similar to any other BRI interface. Once the WIC is inserted into the router it behaves just as any BRI interface built into the router, for example, Cisco 800 and 1600 Series Routers.

Refer to the BRI Troubleshooting flowchart in order to troubleshoot the BRI circuit.

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