

# Understanding Analog Modem WAN Interface Cards (WIC-1AM or WIC-2AM)

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## Contents

### Introduction

#### Prerequisites

- Requirements

- Components Used

- Conventions

#### Background Information

#### Product Numbers

#### Features

#### Platform Support

#### LEDs

#### Configuration

#### Related Information

## Introduction

This document provides information on the analog modem Wide Area Network (WAN) interface cards (WIC-1AM or WIC-2AM), their product numbers, features, platform support, LEDs, and configuration.

## Prerequisites

### Requirements

There are no specific requirements for this document.

### Components Used

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

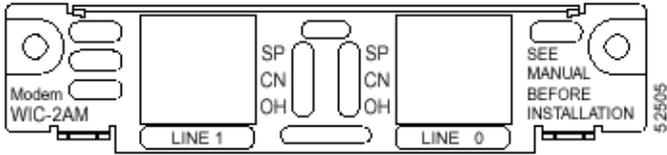
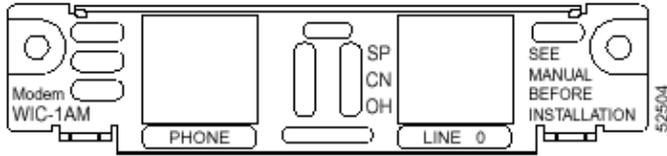
The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

### Conventions

For more information on document conventions, refer to the Cisco Technical Tips Conventions.

## Background Information

The WAN interface cards -1AM and -2AM (WIC-1AM and WIC-2AM) provide one or two internal V.90 analog modems. These WICs can be used for incoming or outgoing analog modem calls. The WIC-2AM features dual RJ-11 connectors, while the WIC-1AM uses one port for connection to a standard telephone line, and the other port to connect to a basic analog telephone for use when the modem is idle.



## Product Numbers

The table below lists the product number and a brief description of the part.

Product Number	Description
WIC-1AM	One-port V.90 analog modem with a board ID of 800-08823-01
WIC-2AM	Two-port V.90 analog modems with a board ID of 800-08283-01

## Features

Features of the WIC-1AM and WIC-2AM modules include:

- WIC-1AM and WIC-2AM provide analog modem interfaces for low density applications such as router management, dial backup, and access.
- WIC-1AM includes a jack for handset sharing access to a public switched telephone network (PSTN) line.
- V.92 is not currently supported.
- 56 Kbps (V.90) can be achieved when the peer is a digital modem (for example, a AS5xxx with a digital circuit such as a T1 or E1 line)
- 56 Kbps (V.90) cannot be achieved when connecting to an analog modem. This is a limitation of V.90 technology and is not a hardware issue. Refer to Overview of General Modem and NAS Line Quality for further information.
- Modem firmware is not upgradeable.

## Platform Support

The table below lists the different platforms supported.

Cisco IOS Software Support	Cisco 1600	Cisco 1700	Cisco 2600	Cisco 2600XM	Cisco 3620, 3640, 3660	Cisco 3631	Cisco 2691, 3725, 3745
WIC-1AM	Not supported	Cisco IOS version 12.2(4)YB	Cisco IOS versions 12.2(2)XB, 12.2(8)T	Cisco IOS version 12.2(8)T	Cisco IOS versions 12.2(2)XB, 12.2(8)T	All Cisco IOS versions	All Cisco IOS versions

WIC-2AM	Not supported	Cisco IOS version 12.2(4)YB	Cisco IOS versions 12.2(2)XB, 12.2(8)T	Cisco IOS version 12.2(8)T	Cisco IOS versions 12.2(2)XB, 12.2(8)T	All Cisco IOS versions	All Cisco IOS versions
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The WIC-1AM and WIC-2AM are supported in all feature sets including the base (IP Only) feature set.

## LEDs

The table below lists the different LEDs and a short description of each.

LED	Description
SP	Speed indication On = High speed (V.56/V.90) Off = Low speed (V.32/V.32b/V.34)
CN	Connect (carrier detect)
OH	Off-hook status

## Configuration

Configuring the modem WIC is similar to the configuration for the NM-8AM or NM-16AM module. For a sample configuration, refer to Configuring Dialout with the NM-8AM or NM-16AM Analog Modem Module.

You should also refer to 1- and 2-Port V.90 Modem WICs for Cisco 2600 and Cisco 3600 Series Multiservice Platforms for information on configuring the WIC-1/2 AM.

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## Related Information

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