



Synway CDC Series

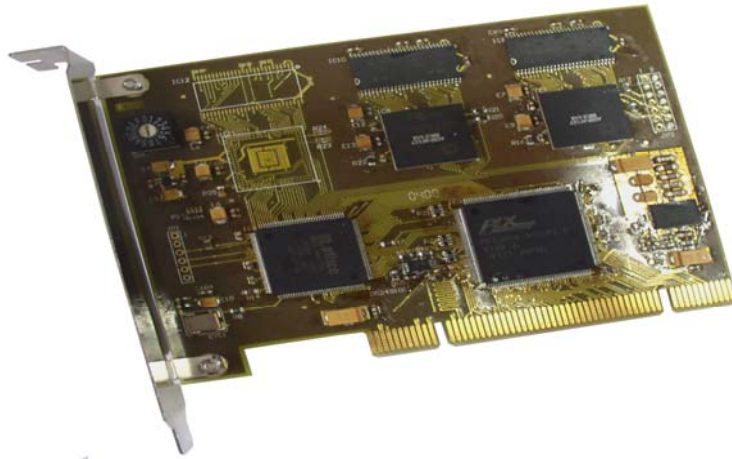
CDC-1522A/PCI

CDC-2522A/PCI

CDC-3522A/PCI

Codec Board

Product Introduction



Synway Information Engineering Co., Ltd

www.synway.net

Brief Introduction

The Synway CDC Series (hereinafter referred to as 'CDC') are multi-channel codec boards with PCI 2.2 bus, supporting the hardware-based transformations between voice codecs. In view of the board features and functionalities, the Synway CDC series board is a perfect substitute for the TC400B product from Digium Inc.

Characteristic Features

- **PCI 2.2 Bus Support**

Includes PCI 2.2 bus with burst data transmission rate up to 132 MB/s; PNP (plug and play) feature eliminates the need for jumper leads; the general PCI design supports 3.3V/5V PCI slot and PCI-X slot.

- **DMA Read and Write**

The use of PCI-based DMA technique for data reading and writing helps minimize the cost of the host CPU.

- **Voice CODEC Support**

Supports the codec translations among G.711 A-Law, μ -Law and G.729A in hardware.

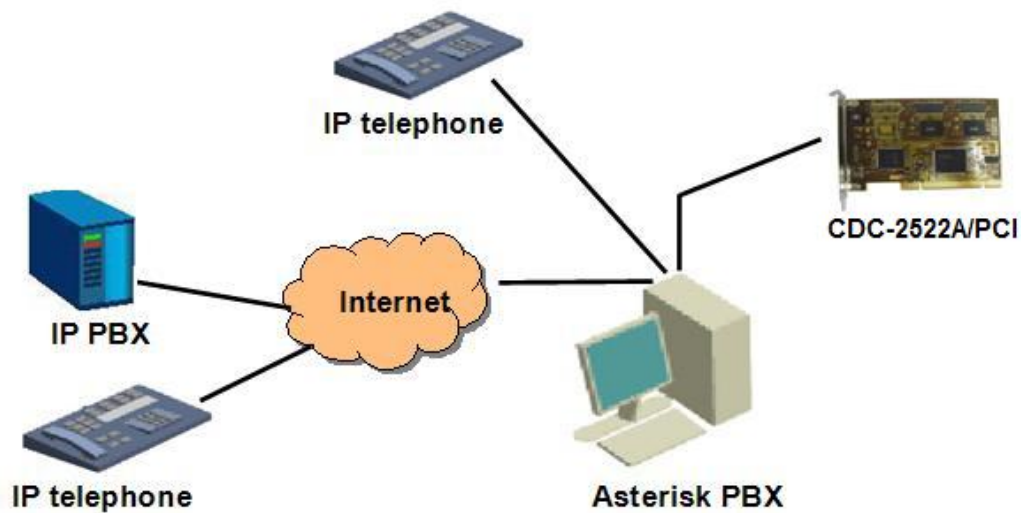
- **Highly Efficient Real-time Voice Processing**

This board enables highly efficient voice processing and the multiple on-board DSPs give a nearly real-time voice effect.

- **Plentiful API Functions**

Fully compatible with the API functions of Asterisk.

➤ Typical Application



Notes:

- This application model above is not only applicable to CDC-2522A/PCI, but also applicable to other board models in the CDC series.
- Refer to the section [Purchasing Guide](#) for board models now available in the CDC series.

➤ Technical/sales Support

Dimensions

120×95mm² (excluding L-bracket)

Weight

≈100g

Environment

Operating temperature: 0 °C—55 °C

Storage temperature: -20 °C—85 °C

Humidity: 8%—90% non-condensing

*Storage humidity: 8%—90%
non-condensing*

Audio Decoding

From G.729A to A-Law, μ -Law

Audio Encoding

From A-Law, μ -Law to G.729A

Power Requirements

Maximum power consumption: ≤8W

Audio CODEC

A-Law 64kbps

μ -Law 64kbps

G.729A 8kbps

➤ Purchasing Guide

The Synway CDC Series hardware-based codec boards provide a complete range of features to meet all requirements.

➤ Model Description

Model	PC Bus	Voice Channels for Encoding & Decoding	G.711 A-Law	μ-Law	G.729A
CDC-1522A/PCI	PCI	50	√	√	√
CDC-2522A/PCI	PCI	100	√	√	√
CDC-3522A/PCI	PCI	150	√	√	√

➤ Technical/sales Support

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TIPS

-  **All the content and data herein have been scrupulously checked. However, we do not guarantee the absence of errors.**
 -  **Product specifications and relevant data are subject to conditions on the purchase contract.**
 -  **Our company reserves the right to modify this document without prior notice and the right for final explanation.**
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