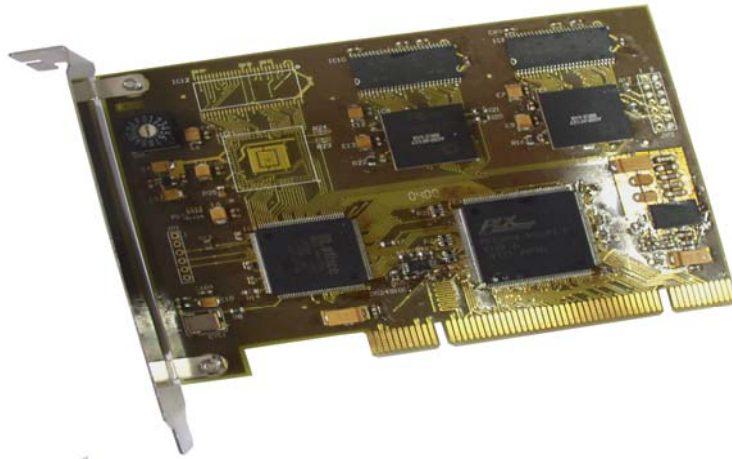**Synway CDC Series**

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**

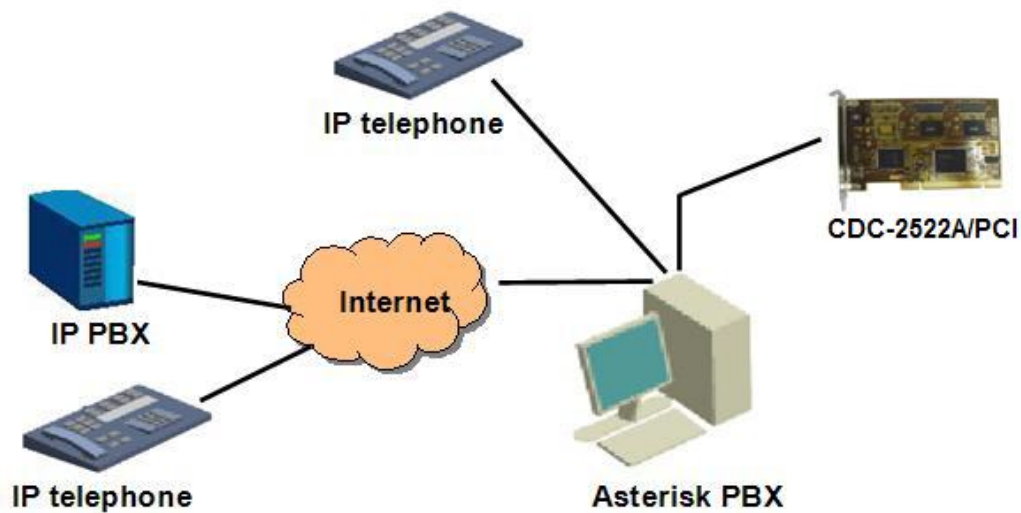 Supports the codec translations among G.711 A-Law, μ-Law and G.729A in hardware.

- **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 <u>Purchasing Guide</u> for board models now available in the CDC series.**

➤ Technical/sales Support

Dimensions

120×95mm^2 (excluding L-bracket)

Weight

≈100g

Environment

Operating temperature: 0℃—55℃

Storage temperature: -20℃—85℃

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

Headquarters

Synway Information Engineering Co., Ltd

http://www.synway.net/

9F, Synway D&R Center, No.3756, Nanhuan Road, Binjiang District, Hangzhou, P.R.China, 310053

Tel: +86-571-88860561

Fax: +86-571-88850923

Technical Support

Tel: +86-571-88864579

Mobile: +86-18905817070

Email: techsupport@sanhuid.com

Email: techsupport@synway.net

MSN: synway.support@hotmail.com

Sales Department

Tel: +86-571-88860561

Tel: +86-571-88864579

Fax: +86-571-88850923

Email: sales@synway.net

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.