

Digium TC400B Transcoder Card



Product Name: Digium TC400B Transcoder Card

Manufacturer: -

Model Number: 1TC400BLF

Please Note: This product has been discontinued. Please see Digium Cards for an alternative.

Digium TC400B PCI Transcoder Card

The Digium TC400B is a bundle of the half-length, low-profile PCI 3.3/5.0V TC400P base card and the TC400M voice processing module.

The Digium TC400B is designed to handle in dedicated DSP resources where the complex codec translations for highly compressed audio as would otherwise be processed by Asterisk in software.

Target Applications

- ½ Media Gateway
- ½ Conferencing Server
- ½ IVR Server
- ½ Distributed Office PBX
- ½ Call Centers

Asterisk, in software and with Digium G.729a licensing, is capable of transforming the G.729a codec into other codecs for the purposes of call origination or termination, bridging disparate calls, or VoIP to TDM connectivity. These transformations in software are very expensive, in terms of MIPS, and require a substantial amount of CPU time to accomplish. The Digium TC400B not only relieves the CPU of this duty, freeing it up to handle other tasks or complete additional call processing, but also provide Asterisk with the capability of bridging G.723.1 compressed audio into other formats, a capability not otherwise possible.

The Digium TCE400B decompresses G.729a (8.0kbit) or G.723.1 (5.3kbit/6.0kbit) into G.711 u-law or a-law and compress G.711 u-law or a-law into G.729a (8.0kbit) or G.723.1 (5.3kbit). The Digium TC400B is rated to handle up to 120 bi-directional G.729a-only transformations or 92 bi-directional mixed-mode G.729a/G.723.1 transformations. The Digium TC400B does not require additional licensing fees for the use of these codecs nor does it require the registration process associated with Digium's software-based G.729a codec licensing.

Digium TC400B Technical Specifications

General Features

- ½ TC400M Voice Processing Module
- ½ TC400P - Half-Length Low-Profile PCI 2.2+ 3.3/5.0V Card
- ½ Includes Codec Licensing and Indemnification
- ½ 120 G.729a Transformations
- ½ 92 G.723.1 Transformations

Requirements

- ½ DAHDI 2.2.0 or greater and
- ½ Asterisk 1.6.0.10 or greater
- ½ Linux Kernel 2.6
- ½ Available PCI-Express or PCI Slot

Codec Support

- ½ G.729a - 8.0kbit/s
- ½ G.723.1 - 6.3kbit/s (decode-only), 5.3kbit/s (decode/encode)

Digium TC400B Transcoder Card

1½ G.711 µ-law

1½ G.711 a-law

Price: Â£821.20
