

Digium TCE400B PCI Express Transcoder Card



Product Name: Digium TCE400B PCI Express Transcoder Card

Manufacturer: -

Model Number: 1TCE400BLF

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

Digium TCE400B PCI Express Transcoder Card

The Digium TCE400B is a bundle of the half-length, low-profile PCIExpress x1 TCE400P 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 TC400B 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 TCE400B 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 TCE400B 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 TCE400B Technical Specifications

General Features

- ½ TC400M Voice Processing Module
- ½ TCE400P - Half-Length Low-Profile PCI-Express x1 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 Slot

Codec Support

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

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i¿½ G.711 µ-law
i¿½ G.711 a-law

Price: Â£821.20
