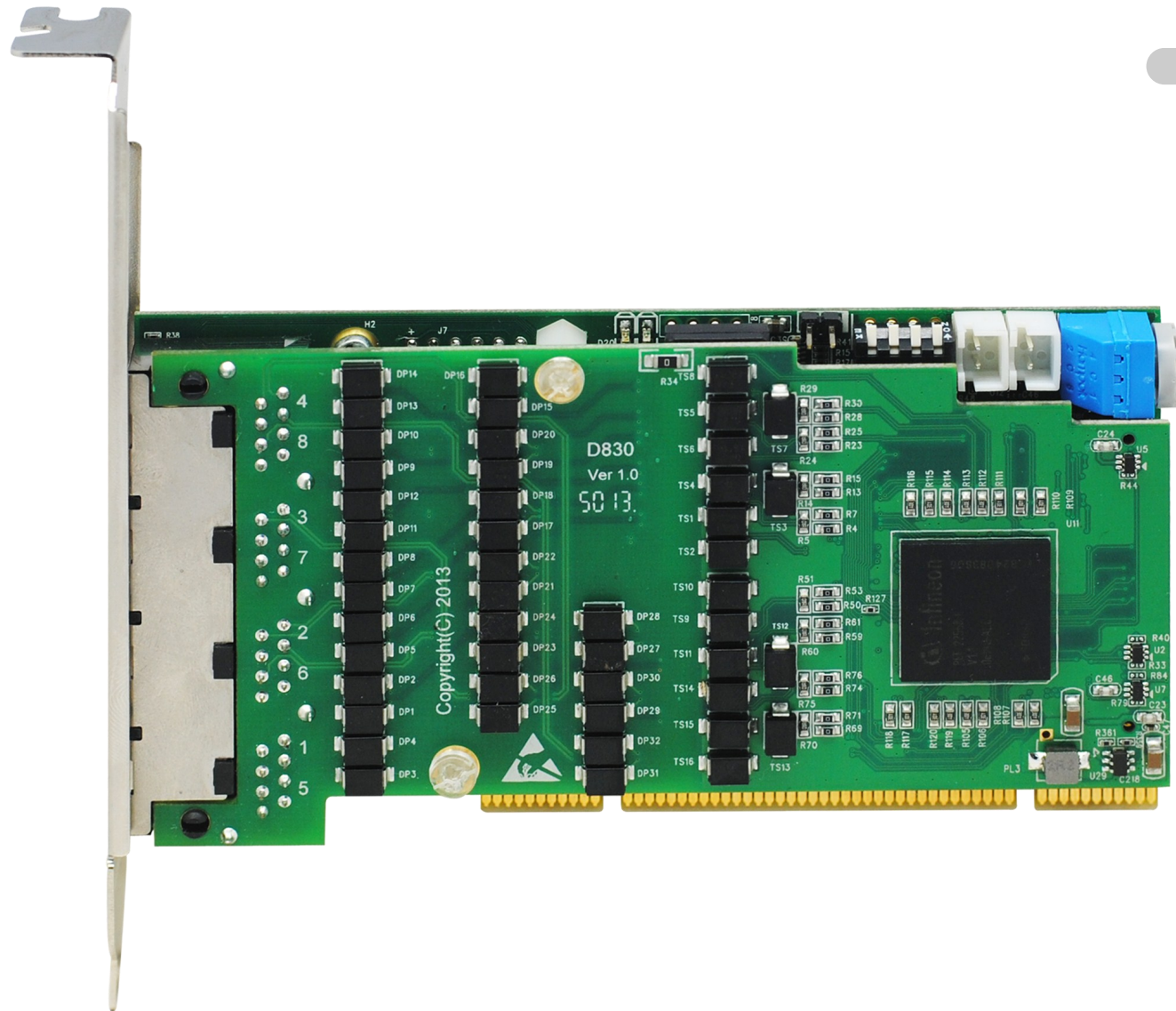


D830 series PRI Card Datasheet



Overview

OpenVox D830 series PRI card is supposed to be the most advanced E1/T1/J1 Asterisk® card with superior quality in the open source community. The leading innovation ensures users to adjust the interrupts frequency to reduce the CPU load up to 70% and adjust the interrupt number to avoid interrupt sharing or conflict.

D830 series card offers an on-board Octasic® DSP-based echo cancellation module. It supports T1, E1, and J1 environments and is selectable on a per-card or per-port basis. The Octasic® DSP-based EC module enables users to eliminate echo tails up to 128ms or 1024 taps across all 256 channels in E1 mode or 192 channels in T1/J1 modes. Further, this module takes advantage of the Octasic® Voice Quality Enhancement to provide superior sound quality on all calls.

D830 series PRI card supports industry standard telephony and data protocols, including Primary Rate ISDN (both N. American and Standard Euro) protocol families for voice, PPP, Cisco, HDLC, and Frame Relay data modes. Both line-side and trunk-side interfaces are supported.

Target Applications

- ▶ Voice-over Internet Protocol (VoIP) Services
- ▶ Complex IVR Trees
- ▶ "Meet-Me" Bridge Conferencing
- ▶ Calling Card Platforms
- ▶ VoIP Gateways (support SIP, H.323, and IAX)
- ▶ Legacy PBX/IVR Services
- ▶ Voice/Data Router (replace expensive routers)
- ▶ PRI/Switch Compatibility - Network or CPE

3-Month "No Questions Asked" Return Policy
Lifetime Warranty

Operating System

Linux (all versions, releases and distributions from 1.0 up)

Requirements

- ▶ RAM 128 + MB Linux
- ▶ Kernel 2.4.X or 2.6.X or 3.X and above
- ▶ CPU 800+ MHZ
- ▶ PCI or PCI-E slot

Environments

- ▶ Temperature: 0 ~50°C (Operation)
-40 ~125°C (Storage)
- ▶ Humidity: 10 ~90% NON-CONDENSING

Features

- ▶ Eight T1/E1/J1 ports with PCI or PCI-E interface for high performance voice and data applications
- ▶ 32 bit bus master DMA data exchanges across PCI interface at 132 Mbytes/sec
- ▶ LEDs display the board's status
- ▶ Up to 240 Simultaneous voice calls respectively
- ▶ Scalable: Just adding more cards to extend the system
- ▶ Autosense compatibility with 5 V and 3.3 V PCI busses
- ▶ Worldwide usable: Configurable line interface to meet global telephone line interface requirements
- ▶ RoHS compliant
- ▶ Certificates: CE, FCC
- ▶ trixbox™ Officially Certified
- ▶ Elastix® Officially Certified
- ▶ Work well with Asterisk®, Elastix®, FreeSWITCH™, PBX in a Flash, trixbox®, Yate™ and IPPBX/IVR projects as well as other Open Source and proprietary PBX, Switch, IVR, and VoIP gateway applications

