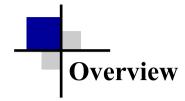# OpenVox

V100 Transcoding Card Datasheet

Overview

Because of its low bandwidth requirements, the voice data compression Codecs, such as G.729,G.726,G.723,G.722,iLBC,GSM.are commonly used in VoIP applications. The G.711 Codec is used in legacy network. For bridging TDM to VoIP connectivity, it needs Codec transformation. Compared with Transformation software, the V100 card, Based Multicore-DSP, can convert more sessions of transcoding, reduce host CPU load.

The V100 card is rated to handle up to 32/64/128/256/400 Codec transformations without additional licensing fees for transcoding.

The V100 card can be worked as PCI /PCI-E Form Factors in one board. The V100 is suitable for nomal PCI or low profile PCI applications，and can provide PCI/PCI-E/RJ45/media/control flow paths. These features can save the cost and support flexible applications. The V100 can be worked with Asterisk® and FreeSWITCH®.

3-Month "No Questions Asked" Return Policy
Five Year Warranty

Requirements

- ‣ Operating System: Linux or Windows
- ‣ Software: Asterisk® and FreeSWITCH® API
- ‣ Power: PCI:2.5A @3.3V
  OR
  PCI-E:0.3A @3.3V; 0.6A @12V

Codec Support

- ‣ G.711
- ‣ GSM
- ‣ G.729
- ‣ G.722
- ‣ G.723
- ‣ iLBC
- ‣ G.726

Environments

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

Target Applications

- ‣ Hosted VoIP GateWay
- ‣ Distributed Office PBX
- ‣ Conferencing Server
- ‣ Call Centers
- ‣ IVR Server
- ‣ SIP Trunking
- ‣ IP Network Peering

Features

- ‣ High density up from 30 to 400 Transcoding
- ‣ No additional License Fee
- ‣ Small Size 2U Form Factor
- ‣ PCI and PCI-E interface in one board
- ‣ Supports Low Profile PCI/PCI-E
- ‣ Multi Media/Control Flow Paths
- ‣ Reduce Host CPU Load
- ‣ Release API for Integration
- ‣ OS: Linux or Windows
- ‣ Integrates in Asterisk® and FreeSWITCH®
- ‣ Support distributed or integrated Application

- ‣ Dimension: Includes Low Profile PCI/ PCIe Short Form Factor in 2U Chassis   64.1×119.8×8mm (PCB)
- ‣ Weight: 57g
- ‣ Interface: PCI :32bit/33MHz
  PCI-E: ×1
  10/100/1000 BASE-T RJ45