

V100_ETH Datasheet

Spotlight

The OpenVox V100 new generation transcoding series delivers 3 models for different types of applications. Up to 400 sessions processing performance, both low to high density and superior voice quality are acquired for various IP-PBX systems.

- ✓ 30 to 400 Transcoding Sessions
- ✓ No Licensing Fees*
- ✓ PMC / Enclosure / Extending Evaluation Board / Ethernet Card
- ✓ Reduce Host CPU Load
- ✓ Flexible Adaptability
- ✓ Provides RJ45 Media/Control Flow Paths.
- ✓ Works with Asterisk® and FreeSWITCH®.

Target Applications

- ▶ Hosted VoIP GateWay
- ▶ Conferencing Server
- ▶ IVR Server
- ▶ Distributed Office PBX
- ▶ Call Centers

Codec Support

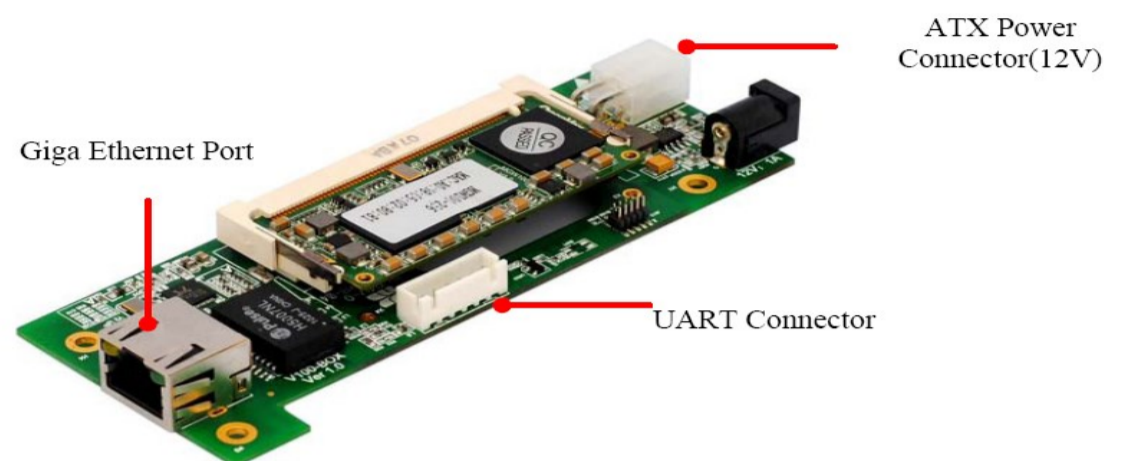
- ▶ G.711
- ▶ G.722
- ▶ G.722.1
- ▶ G.726
- ▶ G.729AB
- ▶ GSM-FR
- ▶ GSM-EFR
- ▶ AMR
- ▶ AMR-WB(G722.2)
- ▶ iLBC

Requirements

- ▶ Operating System: Linux or Windows
- ▶ Software: Asterisk® and FreeSWITCH®
- ▶ Power: 0.6A @ ATX 12V

Environments

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



Overview

With low bandwidth requirements, the voice data compression codecs, such as G.729, G.726, AMR, G.722, iLBC are commonly used in VoIP applications. The G.711 Codec is commonly used in legacy telephone network. For bridging TDM to VoIP connectivity, it needs codec transformation. Compared with transformation in software, the V100, based on Multicore-DSP, can convert more sessions of transcoding, reduce host CPU load.

The V100 card, are rated to handle up to 32,64,128,256,400 bi-directional codec transformations, without additional licensing fees* for transcoding (Except for AMR and AMR-WB).

The V100_ETH does not need standard PCI slot, and ATX 12V power supply is acceptable. The V100 can be worked with Asterisk® and FreeSWITCH®.

Features

- ▶ High density up from 30 to 400 Transcoding
- ▶ No additional License Fee (Except for AMR and AMR-WB)
- ▶ Relieve Host CPU Load
- ▶ Release API for Intergration
- ▶ OS: Linux or Windows
- ▶ Integrates in Asterisk® and FreeSWITCH®
- ▶ Support distributed or integrated Application

- ▶ Dimension: 124.0×51.1mm (PCB)
- ▶ Weight: 57g
- ▶ Interface: 10/100/1000 BASE-T RJ45
UART