

**OpenVox DE210P/DE210E Datasheet**



Document Rev 0.01. Written by: james.zhu@openvox.cn

**Duo Ports PRI Interface Cards**

The DE210P/DE210E is a bundling of our leading D210P/E product and our new EC100 Octasic DSP-based echo cancellation module. The EC100 provides a certified carrier-grade algorithm that has been labeled a benchmark for echo cancellation for OpenVox. The new EC100 enables users to eliminate echo tails up to 128ms or 1024 taps across all 64 channels in E1 mode or 48 channels in T1/J1 modes. Further, this module takes advantage of the Octasic Voice Quality Enhancement to provide superior sound quality on all calls.

**Target Applications:**

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

**System Requirements:**

- RAM 128 + MB
- Linux kernel 2.4.X or 2.6.X
- CPU 800+ MHZ
- PCI 2.2 Compliant for D210P
- PCI Express 1.0 for D210E

**DE210P/E PRI Switch Compatibility:**

- EuroISDN (PRI or PRA) - Q.931/Q.921
- Network or CPE
- AT&T 4ESS
- National ISDN 2
- CAS Voice Modes
- DMS 100
- Lucent 5E

**DE210P/E Data Modes:**

- SyncPPP (both Fixed and Dialup)
- Cisco HDLC
- Frame Relay
- Multi-Link PPP

**DE210P/E CAS Voice Modes:**

- E&M Wink
- Feature Group D
- a-Law,  $\mu$ -Law, and Linear Modes Supported

**Physical Information:**

Name:	Net weight (g)	Size (cm)
DE210P	87	12.9*10.3*2
DE210E	87	12.9*11.1*2
EC100	19	7.6*4.2*1.1

Misc:(D210P)	Misc:(D210E)	Misc:(EC100)
Temperature Operation: 0 to 50°C	Temperature Operation: 0 to 50°C	Temperature Operation: 0 to 50°C
Temperature Storage: - 65 to 125°C	Temperature Storage: - 65 to 125°C	Temperature Storage: - 40 to 75°C
Humidity:10 TO 90% NON-CONDENSING	Humidity:10 TO 90% NON-CONDENSING	Humidity:10 TO 90% NON-CONDENSING
Voltage:3.3V/5V	Voltage:3.3V	Voltage:3.3V/2.5V
Power Dissipation Max:2.3W/3.5W	Power Dissipation Max:2.53W	Power Dissipation Max:0.33W/3.5W

**Disclaimers**

Asterisk® is a registered trademark of Digium, Inc.