



NEXT GENERATION PRI TELEPHONY CARDS

***astTECS** PRI cards are high-performance, cost effective telephony cards available with carrier grade optional hardware echo cancellation. The card allows up to 96 (T1) or 120 (E1) channels and allows integration of legacy telephony systems with emerging Voice-over IP (VoIP) technologies.

***astTECS** E1/T1/J1 digital cards are designed to work with Open Source based VoIP platforms such as Asterisk® (e.g. PBX in a Flash®, FreePBX® Elastix®) & FreeSWITCH®. It supports industry standard telephony protocol families. Both line-side, trunk-side interfaces along with advanced call features are supported.

ADVANTAGE

QUICK FACTS

- Ease of installation
(no patches require for installation)
- Compatible with Linux and Window OS
- Optional Hardware echo cancellation
- Superior voice quality
- Available in PCIe
- 1 year warranty on parts

APPLICATION

- Legacy PBX/IVR Services
- VoIP Services
- Complex IVR Applications
- Conference Bridges
- Calling Card Platforms
- PRI Switch Compatibility: Network or CPE



Variant



***ast 1- Port**



***ast 2-Ports**



***ast 4-Ports**

Number of Ports	Single Span E1/T1/J1 Card (PCIe)	Dual Span E1/T1/J1 Card (PCIe)	Quad Span E1/T1/J1 Card (PCIe)
Channels / Concurrent Calls	Upto 30 Voice Calls	Upto 60 Voice Calls	Upto 120 Voice Calls
Dimension	126 mm X 56 mm	140mm X 63 mm	140mm X 63 mm

TECHNICAL SPECIFICATION

OPTIONAL HARDWARE ECHO CANCELLER

- Octasic Based
- 128 ms Tail per channel
- G.168–2004 Echo Cancellation in Hardware

VOICE PLATFORMS

- Asterisk : 1.4 to Latest
- FreeSWITCH: > 1.2.7

FRAMING TYPES

- T1 / E1 / J1 with D4 / ESF
- Signaling – CAS / CCS
- CRC4 / Non-CRC4

LINE PROTOCOLS

- Voice CAS, MRC/R2
- PRI, SS7
- HDLC / PPP

OPERATING SYSTEMS

- Linux Kernel : 2.4 to Latest
- Windows : XP/Vista/Win7

LINE CODING

- HDB3, AMI, B8ZS

PRI – CPE & NETWORK MODES

- National ISDN1/2 • AT&T 4ESS
- Euro ISDN
- Lucent 5ESS
- Q.931/Q.921
- Nortel DMS 100

MINIMUM HARDWARE REQUIREMENT

- 1.6-GHz Pentium IV
- 512 MB RAM
- 3.3V or 5V PCI-e x1 slot

About *astTECS:

***astTECS** is leader in end to end unified communications, offering wide range of cutting edge enterprise telecom products based on open source technology. We also provides world class 24X7 support to global customers through our in-house Global Support Management Center (GSMC).



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