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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