

Second Generation E1/T1/J1 PRI card

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Overview

Affordable and easy to install, our E1/T1/J1 PRI card can be bought with 4 spans and supports up to 120 voice calls, full-duplex data throughput. It has optional 128ms Hardware based Echo Cancellation Module and reach the highest standard in voice quality on the market. Card available in PCI & PCIe interface on the same Card. Use this card with the major Open Source platforms and create your own powerful PBX while keeping cost to a minimum.

Target Applications

- Legacy PBX/IVR Services
- Voice-over Internet Protocol (VoIP) Services
- Complex IVR Trees
- “Meet-Me” Bridge Conferencing
- VoIP Gateways
- Calling Card Platforms
- Voice/Data Router (replace expensive routers)
- PRI Switch Compatibility – Network or CPE

Optional DSP Hardware Echo Canceller Daughterboard

- Octasic DSP-based (all modules)
- G.168–2002 echo cancellation in hardware
- 128 ms tail per channel on all channel densities
- DTMF decoding and tone recognition
- Does not increase the physical size of the card, and no additional slot is required



Technical Specifications

- 4 T1/E1/J1 ports with optimum PCI or PCI-Express interface for high performance voice and data applications
- E1, T1 and J1 interface selectable on a per-card or per-port basis..
- Supports both Line Side and Trunk Side Interfaces.
- TDM channel alignment in hardware (instead of software), for greater voice integrity and reliability.
- Hardware-level HDLC handling to reduce the load on the host CPU
- PCI and PCIe interface on the same card. Fully PCI 2.2/PCIe (X1) compliant
- Autosense compatibility with 5 V and 3.3 V PCI busses
- PCI Express: 1 Lane PCI Express bus
- Same base PCI interface card; fully compatible with commercially available motherboards—proper PCI-standard interrupt sharing without manual tuning
- 32-bit bus master DMA data exchanges across PCI interface at 132 Mbytes/sec for minimum host processor intervention
- DMA based data transfer for minimum host intervention and guaranteed data integrity on high volume systems
- TDM clocking mode selectable as Slave or Master.
- Fractional T1/E1 support.
- TDM direct hardware-level cross-connect

Model / Specs	Ports	Bus Type	Voice Line Protocols	Echo Cancellation Module (optional)
E1/T1/J1 PRI Card 2nd Gen	4	PCIe and PCI on the same board. Fully PCI 2.2/PCIe (X1) compliant	EuroISDN, PRI, CAS, MFC/R2, Ss7 PPP, Cisco HDLC, and Frame Relay for data modes	Yes. Octassic DSP based 128 ms tail per channel on all channel densities

Line Protocols

Voice: CAS, MFC/R2, PRI, ATM, Frame Relay, X.25, HDLC, PPP, SS7, Transparent bit-stream, BSC

Minimum Hardware Requirement

(Upto 120 Concurrent Calls)

Dual/Quad Core Processor

4GB RAM

Available PCI/PCI-e Slot

Primary Rate Interface (PRI) Switch Types

National ISDN 1 (Ni1)

National ISDN 2 (Ni2)

Nortel DMS100

AT&T 4ESS

Lucent 5ESS

EuroISDN Q.931

Q.SIG (Limited Support)

Operating System

Linux

Framing Types

Channel Associated Signaling (CAS)

Common Channel Signaling (CCS)

CRC-4, Non CRC4, ESF, SF, D4; also compatible with Japan's J1

Line Coding Types

Alternative Mark Inversion (AMI)

Bipolar with 8 Zeros Substitution (B8ZS)

High Density Bipolar of Order 3 Code (HDB3)

Optional Cyclic Redundancy Check 4 (CRC4)

Primary Rate Interface (PRI) Switch Types

E&M

E&M E1

E&M Wink

PRI Network and CPE

Warranty Info

5 Years Hardware warranty, backed by 3 month money back guarantee.

Operation temperature: 0°C to 50°C
Storage temperature: -40°C to 125°C
Dimension: 155mm X 95mm X 15mm
Weight: 154 grms

Certifications

Visit: <http://www.allo.com/marketing/certifications/>

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