

Sangoma Telephony Card

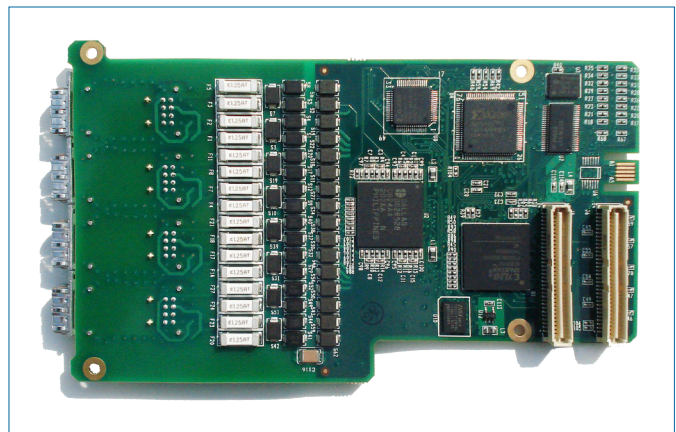
A108-PMC: 8-Port T1/E1/J1 Card

Eight ports of T1, E1 or J1 available on convenient PMC mezzanine card – the ultimate high-density solution.

The A108-PMC is part of Sangoma's family of Advanced Flexible Telecommunications hardware product line—it uses the same high-performance PMC interface that is providing superior performance in critical systems all over the world.

The A108-PMC supports up to 16.4Mbps of full duplex data throughput or up to 240 voice calls using up to eight T1, E1, or J1 lines.

With Sangoma cards, you can take advantage of hardware and software improvements, as soon as they become available. The A108-PMC, like all cards in Sangoma's AFT family, is field upgradable with crash-proof firmware.



A108-PMC 8-port T1/E1/J1 Card

RJ45 T1/E1 Pinouts

Pin	Signal	Pin	Signal
1	RRING	5	TTIP
2	RTIP	6	RTIP
3	RRING	7	TRING
4	TRING	8	TTIP

Technical Specifications

- Eight T1/E1 ports with optimum PMC interface for high performance voice and data applications
- Support for Asterisk®, FreeSWITCH®, and Yate™ PBX/IVR Projects, as well as other open source and proprietary PBX, Switch, IVR, or VoIP gateway applications
- Shares same hardware and driver design as Sangoma's award-winning AFT products
- Dimensions: 90 mm x 150 mm
- Intelligent hardware: Downloadable FPGA programming with multiple operating modes; add new features related to voice and/or data when they become available
- Line decoding: HDB3, AMI, B8ZS
- Framing: CRC-4, Non CRC4, ESF, SF, D4
Also compatible with Japan's J1
- Maximum operational power: 7.5W (2.3A @ 3.3V)
- Temperature range: 0–50°C
- 32-bit bus master DMA data exchanges across PCI interface at 132Mbytes/sec for minimum host processor intervention
- Ring buffer DMA handling for minimum host intervention and guaranteed data integrity on high volume systems
- Supports Robbed Bit Channel Associated Signaling (CAS) and ISDN PRI
- T1/E1 and fractional T1/E1, multiple channel HDLC per line for mixed data/TDM voice applications
- Optimized per channel DMA streams and hardware-level HDLC handling unload the host CPU
- Uses raw bitstream interfaces to support arbitrary non-standard line protocols, such as non-byte aligned monosynch or bisynch
- WANPIPE® routing stack is completely independent of TDM voice application for total system reliability
- WANPIPE® supports certified, field-tested, and reliable Frame Relay, PPP, HDLC, and X.25

Operating Systems

- Windows® 2003, Windows® XP, Windows® Server 2008, Windows® Vista, Windows® 7
- Linux (all versions, releases and distributions from 1.0 up)

T1/E1 Status Alarms

- RED: Telco Red Alarm Condition
- OOF: Out of Frame
- LOS: Receive Loss of Signal
- AIS: Alarm Indication Signal
- RAI: Remote Alarm Indication (Yellow Alarm)

Line Protocols

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

Higher Level Protocols

IP/IPX over Frame Relay/PPP/HDLC/X.25, X.25 over Frame Relay (Annex G), BSC over X.25, SNA over X.25, PPPoE, PPPoA, IP over ATM

Certification

- FCC Part 15 Class A, FCC Part 68, CISPR 22, EN 55022, Class A, CIPSR 24, AFIC-2016, IEC 60950, JATE

Diagnostic Tools

WANPIPEMON, System logs

Warranty

Lifetime warranty on parts and labour. Plus a 30-day no questions asked return policy.

Production Quality

ISO 9002

Ordering Information

Cables are included at no additional charge.

SKU	BUS	Description	Cables
A108-PMCR	PMC	8 T1/E1 ports	-



For more information on how to order, call toll-free in North America 1 800 388 2475, direct at +1 905 474 1990 or email: sales@sangoma.com

To become an authorized Empowered by Sangoma channel partner, please visit: http://sangoma.com/ordering/become_a_partner.html

To purchase now, contact an Empowered by Sangoma Distributor, Reseller, or Solution Partner near you. Look for the Empowered by Sangoma Logo.

The A108-PMC is a digital data and voice network card, not subject to TNV evaluation as an approved TELCO-provided DMARK device, providing that isolation from the TNV is utilized in the end-use application.

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