

Sangoma A101 PRI ISDN Card



Product Name: Sangoma A101 PRI ISDN Card

Manufacturer: Sangoma

Model Number: A101

Please Note: This is a PCI Card. Please make sure your motherboard/server is compatible with this product. View PCI vs PCI-Express example.

Sangoma A101 PRI ISDN Card

Sangoma A101 (AFT card with one channelised T1 port)

AFT card with one T1/E1 or fractional T1/E1 port, supporting multiple DS0 channels of HDLC or non HDLC data. Used to support WANPIPE® in multichannel hub configurations, and as T1 voice gateways for PBX systems.

Sangoma A101 Key Features

• Intelligent hardware: Downloadable Field Programmable Gate Array programming with multiple operating modes:

• T1/E1 and fractional T1/E1, single channel HDLC per line

• HDLC data

• Power: 520mA at +5v

• PCI 32 bit (5v and 64 bit (3.3v) compatible.

• Temperature range: 0 - 45C.

The A101 is Sangoma's next generation hardware designed for optimum support of data and voice over T1 and E1.

Operational Modes

Data only:

• T1/E1 and fractional T1/E1, single channel HDLC per line.

• Can be used as a hub for sub-DS1 remotes. The A101 and A102 can support any configuration of up to 62 DS0s carrying Frame Relay, PPP or HDLC data.

• Raw bitstream interfaces can be used to support arbitrary non standard line protocols such as non-byte aligned monosynch or bisynch.

Voice modes:

• Supports Robbed Bit Channel Associated Signalling (CAS) and ISDN PRI.

• Block mode raw bit-stream interface for integration with the Asterisk Open Source PBX/IVR platform.

• Channelised mode supporting individual DMA into voice timeslots plus onboard HDLC support of PRI channel for soft PBX implementations that can use these features.

Mixed Voice/Data mode:

• Combination of router/PBX functions in one server - Asterisk as an option.

• Both 8 bit (64kbps per channel) and 7 bit (56kbps per channel) board-level HDLC support.

• WAN data connection is supported by Sangoma's standard WANPIPE® routing stack providing certified Frame Relay, PPP, HDLC and

Sangoma A101 - Technical Specifications

General Features

• Intelligent hardware: Downloadable Field Programmable Gate Array programming with multiple operating modes:

• T1/E1 and fractional T1/E1, single channel HDLC per line

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• HDLC data
• Power: 520mA at +5v
• PCI 32 bit (5v and 64 bit (3.3v) compatible.
• Temperature range: 0 - 45C.
• All set-up and configuration is in software or by machine BIOS.
• DSU/CSU set up entirely in software.
• Line decoding: HDB3, AMI, B8ZS.
• Framing: CRC4, non-CRC4, ESF, D4T1/E1.
• Clocking mode: Normal , Master.
• Software controlled DSU/CSU test modes.
• Remote monitoring of card and CSU/DSU operation.
• Dimensions: 2U Form factor: 120mm x 55 mm.
• T1/E1 Status alarms
• ALOSV: Loss of Signal alarm
• LOS: Receive Loss of Signal
• ALTLOS: Alternate loss of Signal Status
• OOF: Out of Frame
• RED: Telco Red Alarm condition
• AIS: Alarm Indication Signal
• OOSMFV: Loss of Signaling Multiframe
• OOCMFV: Loss of CRC Multiframe
• OOOVF: Out of Off-Line Frame
• RAIV: Receive Loss of Signal
• YEL: Receive Telco Yellow Alarm

Line protocols

• Frame Relay, X.25, HDLC, PPP, SS7, Transparent bit-stream, BSC.

Operating systems

• Linux (all versions, releases and distributions from 1.0 up), FreeBSD, Open BSD.

Higher level protocols

• Asterisk Open PBX/IVR, IP/IPX over Frame Relay/ PPP/ HDLC/ X.25, X.25 over Frame Relay (Annex G), BSC over X.25 (DMT and TCOP), SNA over X.25, PPPoE, PPPoA, IP over ATM.

Warranty

• Three years parts and labour.

Certification

• FCC Part 15 Class A, FCC Part 68, CE., Declaration of Conformity

Diagnostic Tools

• WANPIPEMON, SNMP, System logs.

Production quality

• ISO 9002
• RJ 45 Pin-out

Sangoma A101 PRI ISDN Card

Price: £416.30
