

Sangoma Data Card

A301 Clear Channel T3/E3 Card

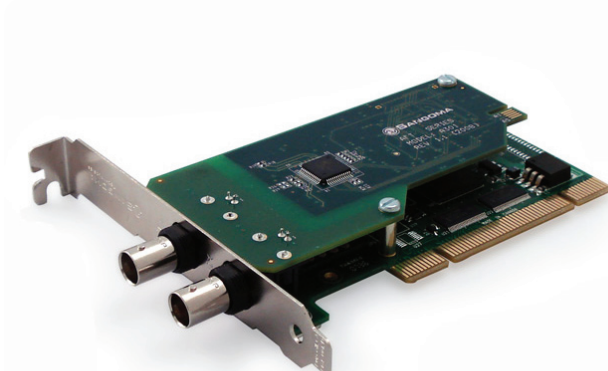
The A301 is ideal for larger organizations or ISPs that have outgrown their multiple T1 or DSL links.

The A301 allows these users to take advantage of the relatively low cost of T3/E3 connections when compared to multiple T1 or E1 lines with greater speed.

The A301 card is a 2U PCI adapter that supports clear channel T3 (44.7 Mbps) and E3 (34.4 Mbps) over dual BNC connectors.

Based on bus mastering PCI technology supported by a ring-buffer DMA architecture, the A301 provides 132 Mbps of PCI bus transfer capacity with minimal real-time processor load.

The A301 Clear Channel T3/E3 Card is based on the same advanced engineering design as the award-winning AFT



A301 with PCI Interface.

Product Line. Trust the Sangoma® name to deliver optimum data support on standard telecommunications networks.

Technical Specifications

- Dimensions: 2U Form factor: 120 mm x 55 mm for use in restricted chassis.
- 32 bit bus master DMA data exchanges across PCI interface at 132 Mbytes/sec for minimum host processor intervention.
- Ring buffer DMA handling for minimum host intervention and guaranteed data integrity on high volume systems.
- Intelligent hardware: Downloadable Field Programmable Gate Array programming with multiple operating modes. Allows new features to be added when they become available.
- Power: 800mA peak, operational 300 mA max at +3.3 V or 5 V.
- Autosense compatibility with 5 V and 3.3 V PCI busses.
- Temperature range: 0° – 50°C.

T3/E3 Standards

- DS3/E3 Framer: ANSI T1.107_1988, ANSI T1.107_1989, T1.404, ITU-T G.751, ITU-T G.832, Bellcore TR-TSY-000009 and AT&T Pub 54014.
- LIU Receiver: G.775, GR-449, ITU G.751, ITU G.752, ITU G.755, ETSI TBR 24 and GR-499-CORE, 1995.
- LIU Transmitter: Bellcore GR-499, GR-253 and ANSI T1.102.
- Jitter Attenuator: T1.105.03b, ETSI TBR-24, Bellcore GR-253 and GR-499.

Line Protocols

- Transparent bit streaming and HDLC streaming.

Higher Level Protocols

- 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.

Because it must work!



Operating Systems

- Linux (all versions, releases and distributions from 1.0 up).
- FreeBSD.

Diagnostic Tools

WANPIPEMON®, SNMP, System logs.

Production Quality

ISO 9002

Warranty

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

Contact Information

For more information, please call toll free in North America **1.800.388.2475**, direct at **+ 1 905 474 1990** or email:

sales@sangoma.com

www.sangoma.com