

# Sangoma Telephony Card

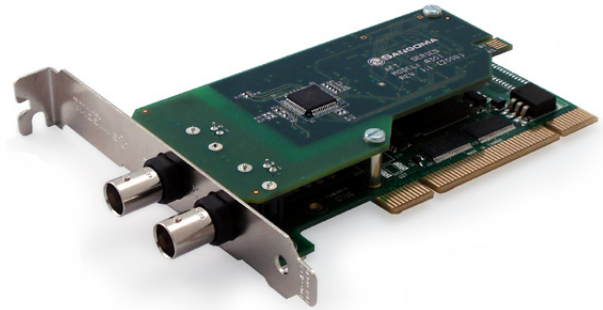
## A301 Clear Channel T3/E3 Card

**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.



A301 with PCI Interface

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

### Operating Systems

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

### 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.