

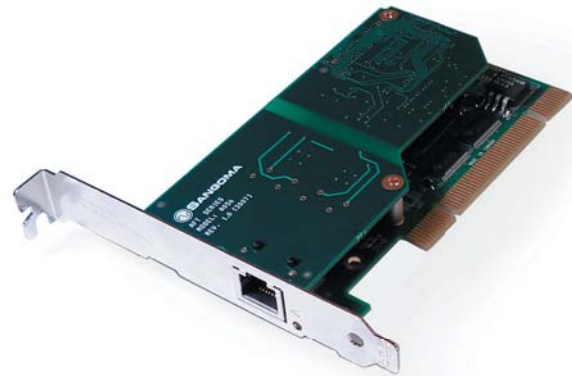
# Sangoma Data Card

## A56 56kbps DDS

Still available and now newly redesigned, the Sangoma A56 Data Card is the alternative to an external router when using a 56kbps Digital Data System Line connection. This card replaces the Sangoma S5145.

In rugged, extreme or remote environments, a leased 56k DDS line available from the Telco may be your best choice. Designed for North American DDS services, choose the card that also works back-to-back over multiple kilometres of dry wiring.

The A56 56kbps DDS hardware 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.



A56 with PCI Interface

### RJ45 DDS Pinouts

Pin	Signal	Pin	Signal
1	RTIP	7	TTIP
2	RRING	8	TRING

### Technical Specifications

- One 56/64kbps DDS line interface.
- Standard temperature range: 0° – 45°C.  
High Temperature -40°– +80°C card available.
- All set-up and configuration is in software or by machine BIOS.
- 56kbps DDS compatible with ANSI T1.410 Bell Pub 62310.
- Network or internal clocking for back to back test setups.
- Software controlled DSU/CSU test modes.
- Remote monitoring of card and CSU/DSU operation.
- Dimensions: 120 mm x 55 mm.
- All Sangoma's AFT products share the same base PCI interface card and the same high-quality firmware on the same family of Field Programmable Gate Arrays.
- Fully PCI 2.2 compliant, compatible with all commercially available motherboards.
- Dimensions: 2U Form factor: 120 mm x 55 mm for use in restricted chassis.
- Short 2U compatible mounting clips included for installation in 2U rackmount servers and **high quality, tested RJ45 cable included.**
- Power: 800mA peak, operational 300mA max at +3.3 V or 5 V.
- Autosense compatibility with 5 V and 3.3 V PCI busses.
- Intelligent hardware: Downloadable Field Programmable Gate Array programming with multiple operating modes. Field upgradeable so that new features can be added when they become available.
- 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.

**Because it must work!**



- Optimized DMA stream and hardware-level HDLC handling unload the host CPU.
- Raw bitstream interfaces can be used to support arbitrary non-standard line protocols such as non-byte aligned monosynch or bisynch.
- WANPIPE® supports certified, field tested and reliable Frame Relay, PPP, HDLC and X.25.

## Operating Systems

- Windows® 2000, Windows® XP, Windows® 9x, Windows® ME.
- Linux (all versions, releases and distributions from 1.0 up).
- FreeBSD, Open BSD, NetBSD.
- Solaris.

## Warranty

Three years parts and labour.

## Certification

FCC Part 15 Class A, FCC Part 68, CE.

## Diagnostic Tools

WANPIPEMON, SNMP, System logs.

## Production quality

ISO 9002

## Contact Information



For more information, call in Venezuela  
**+58 (212)262-19-04**, in Usa **+1 (786)863-89-32**,

or by email: [ventas@armeca.net](mailto:ventas@armeca.net)

<http://www.armeca.net/sangoma>