SBS WANic 725

Dual Port High-Performance T3/HSSI WAN Adapter for PCI Bus

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WAN*ic*® 720 & 725

High-performance T3/HSSI WAN adapter for PCI bus

The WAN*ic* 720 is an enhanced version of SDL's popular WAN*ic*-700 Adapter, featuring improved architecture, higher performance and support for two modular physical interfaces . The WAN*ic* 720 is available as a single port (WAN*ic* 725 dual port), high-performance PCI Bus WAN adapter for data and video networking applications. Typical applications for this adapter are as a T3 or FT3 interface for system level platforms. By supporting the HSSI interface, the WAN*ic* 720 is an ideal candidate for developers of telecommunications access products and bandwidth intensive multimedia applications. The WAN*ic* 720 is based on a 32-bit PCI interface chip supporting bus mastering at a burst rate of 132 Mbps per second.

The main functional components on the WAN*ic* 720 are the i960HD66 RISC Processor, the PCI interface and the two DXI HDLC Controller. The i960 processor manages packet flow between the DXI controller, packet RAM and host RAM. The i960 can act as a direct PCI Bus master with direct access into host RAM or initiates DMA transfers between packet RAM and host buffers via the PCI interface controller. The VLSI DXI Controller module supports both HDLC and transparent modes of operation at speeds of up to 52 Mbps. Dual 8/16KB FIFOs are connected directly to the DXI HDLC Controller for both transmit and receive directions to provide additional packet transfer latencies. As a product of our CP/2 Architecture, the WAN*ic* 720 is designed with two modular electrical interfaces that support RS422, V.35 (10 Mbps maximum), HSSI (34, 45 and 52 Mbps), E3 (34 Mbps) and DS3 (44.736 Mbps).

SBS Communications offers an extensive selection of industry leading WAN interfaces for the CompactPCI, PMC and PCI platform.

Hardware

Software

Download the PDF version of this datasheet.

You will need the Adobe Acrobat plugin to view and print a PDF.

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FEATURES/BENEFITS

Outstanding Performance:

- Designed to bus master and burst onto the PCI Bus
- Supports data rates up 52 Mbps
- Supports two HSSI interfaces
- Receive Packet Time Stamping Option

Product Reliability:

- High MTBF
- 1 Year Warranty
- Technical Support for OEM Customers and Resellers

Software Support:

- Designed for PCI Bus Plug and Play
- Windows NT Driver support
- Software drivers for popular versions of Unix
- DOS diagnostics and software driver support
- Device Driver Development Kit (DDK) available for OEM developers
- WAN protocol stacks available
- API is compatible to the WAN*ic* 700/710

Applications:

- Router Products
- Satellite Receivers
- Firewalls/Gateways
- Server Platforms
- WAN Monitoring Equipment
- Internet Access Platforms
- Integrated Access Devices (IADs)

SPECIFICATIONS

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Technical Highlights:

- Intel i960HD66 Based Processor
- 1 MB Packet RAM
- 1 MB Code RAM
- 0.5 MB Flash RAM
- VLSI HDLC Controller
- Time Stamping Option with 1 MicroSecond Resolution
- 32-Bit PCI Interface
- 16/32 Bit CRC
- OEM ID Supported
- Card Length: 8.5 inches

Interface Options:

- V.35 & V.11
- HSSI: TIA/EIA-613

Environmental Requirements:

- Operating Temperature 0 to 50 degrees C (32 to 131 degrees F)
- Relative Humidity to 90% without condensation

Power Requirements:

- 1.8 Amps @ 5 Volts
- 0.2 Amps @ -12 Volts
- 0.4 Amps @ +12 Volts

Certification:

- FCC Class A
- CE Mark

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