Odin TeleSystems Inc.

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The Sleipnir-1-WAN products bridges the gap between LAN (Local Area Network) and WAN (Wide Area Network) by providing network connectivity using E1 or T1 service. The Sleipnir-1-WAN cards are supplied with a network driver to allow T1/E1 network connectivity.

No programming is needed. The T1/E1 interface is fully configurable with integrated CSU/DSU functionality.

The Sleipnir-1-WAN cards are available as a PCI card or a compact PCMCIA card.

Whether your requirements calls for WAN connectivity over leased T1 or E1 between home or small business offices, or WAN connectivity from a laptop, the Sleipnir-1-PCI-Plus boards are the products of choice.

So for the best in single access T1/E1 WAN communication adapters, the Sleipnir-1-PCI-WAN and Sleipnir-1-PCMCIA-WAN delivers performance, value and flexibility.

Sleipnir-1-PCI-WAN
Sleipnir-1-PCMCIA-WAN

Sleipnir-1-PCI-WAN and Sleipnir-1-PCMCIA-WAN
T1/E1 WAN Adapters

Feature Highlights

- Software configurable for T1 or E1 access.

- Full or fractional T1 or E1.

- Integrated CSU/DSU.

- PCI 32-bit DMA Burst capable (Sleipnir-1-PCI-WAN).

- 3.3V and 5.0V PCI slot tolerant (Sleipnir-1-PCI-WAN).

- Windows (NDIS miniport) driver.

- Multiple clocking options.

- Link status LEDs (Sleipnir-1-PCI-WAN only).

Software Support

Includes a configurable Sleipnir-1-WAN network driver.	The Sleipnir-1-WAN network driver is available for Windows 2000, Windows XP, and Windows 2003 Server operating systems.

Technical Specifications

Board Specification	• Half-size PCI board (Sleipnir-1-PCI-WAN) • PCMCIA Type II card (Sleipnir-1-PCMCIA-WAN)
Host Bus Interface	• Supports PCI rev 2.1, rev 2.2, rev 2.3 (3 volt signaling) and rev 3.0, 32-bit PCI DMA burst transfers, 3.3V and 5V PCI slot compatible (Sleipnir-1-PCI-WAN) • Supports PCMCIA rev 2.0, I/O mapped (Sleipnir-1-PCMCIA-WAN)
Network Interface	• Single T1 or E1 interface (100/120 Ohm termination) • Short haul or long haul compatible • Integrated CSU/DSU functionality
HDLC Resources	• Support for full or fractional T1 or E1
T1/E1 Frame Formats	• Doubleframe, CRC Multiframe (E1 mode) • F4, SF (or D4), ESF (or F24), SLC96 (T1 mode)
T1/E1 Line Codes	• HDB3, B8ZS, AMI, AMI with ZCS (Zero Code Suppression)
Clocking Sources	• Incoming T1/E1 span • On-board oscillator
Indicators	• 4 LEDs for T1/E1 line status (Sleipnir-1-PCI-WAN only)
Connectors	• Dongle with RJ45/RJ48C connectors for E1/T1 connection (Sleipnir-1-PCMCIA-WAN) • RJ45/RJ48C connector for E1/T1 connection (Sleipnir-1-PCI-WAN)
EMC and Safety Testing/Certification (planned)	• FCC Part 15 (CFR47, Part 15, Subpart B) • CE EMC (EN61326-1, AS/NZS 2064) • Safety EN60950 and UL6095
Power Requirements/Environmental Data	• Power consumption: 1.3W (Sleipnir-1-PCI-WAN), 2.5W (Sleipnir-1-PCMCIA-WAN) • Temperature: <u>operating</u>, 0° C to $+50^o$ C; <u>non-operating</u>, -40° C to +60° C • Humidity: <u>operating</u>, 5% to 80% RH (%relative humidity) at up to +30° C, and 5% to 30% RH above +30° C up to +50° C non-condensing; <u>non-operating</u>, 5% to 80% RH at up to +30° C, and 5% to 30% RH above +30° C up to +50° C non-condensing • Altitude: <u>operating</u>, up to 4,600 meters; <u>non-operating</u>, up to 12,192 meters

Ordering Information

Product Name/Product Category	Sleipnir-1-PCI-WAN/HAA-1051-6-1.0	PCI WAN adapter; RJ45 connectors
	Sleipnir-1-PCI-WAN/HAA-1051-5-1.0	PCI WAN adapter; BNC connectors
	Sleipnir-1-PCMCIA-WAN/HAA-1065-1-1.0	PCMCIA WAN adapter

Contact Information

For more information on the Sleipnir-1-WAN products, please contact:	Odin TeleSystems Inc. 800 E. Campbell Road, Suite 334 Richardson, TX 75081-1873 USA	Tel: +1-972-664-0100 Tel: 1-888-ODINTSM Fax: +1-972-664-0855 Email: info@odinTS.com Web: www.odinTS.com

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