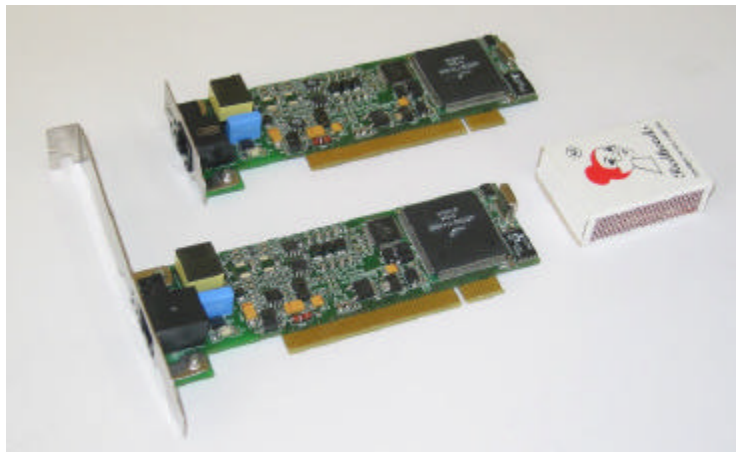




Pulsar PCI ADSL Modem Card



The world's
SMALLEST
PCI ADSL card!

The **Pulsar** is a fully integrated internal PCI ADSL modem card providing ultra-fast broadband access to the Internet.

Key Benefits:

High Bandwidth

Fast HTML sessions, downloads and file transfers at speeds up to 8Mbps (depending on line length and connection plan).

Compact Size

State of the art 2 chip solution requires only 44mm card height.

Easy Installation

PCI plug and play, no jumpers or switches for PC bus configuration.

Linux Support

Drivers for Linux 2.2.x and 2.4.x kernels.

Windows Support

Drivers for Win 98, ME, 2K, XP and NT4.

Standards & Protocols

Supports PPPoE, PPPoA, Bridged Ethernet, Classical IP over ATM.

LED Indicators

4 rear panel LEDs indicate link status.

Low Power

Typical power consumption is only 3.8 Watts.

The **Pulsar** PCI ADSL Modem provides a fast, reliable and seamless broadband Internet connection at speeds up to 8 Mbps (megabits/second) downstream and 1Mbps upstream.

The high bandwidth of ADSL is ideal for Internet sharing, where multiple users can all share the same Internet connection. The **Pulsar** is fully supported under Linux and Windows.

The **Pulsar** is the world's smallest ADSL PCI modem with a card height of just 44mm high (1/3rd standard height), making it ideal for Set Top Boxes, Internet Appliances and Embedded Applications. Full height (111 mm), half-height (80mm) and third-height (47mm) rear panels are available. The photograph above shows 2 Pulsar cards, one with standard height rear panel and the other with third-height panel.

Being a fully integrated card, no external plug packs are required and cabling is simplified to the minimum ADSL line connection. The need to purchase an extra Ethernet card is also eliminated.

The built-in firewall features of Linux are well-suited to Internet Firewall and Gateway applications. Linux is fully supported with drivers for both the 2.2 and 2.4 kernels. Example scripts and a Linux user manual are included on the Distribution CD.

System Requirements

- Intel Pentium PC, 120Mhz with :
 - 1 spare PCI slot
 - 1 spare Interrupt (IRQ) line
- Linux 2.2 / 2.4 or Windows NT4.0 / 98 / ME / 2K / XP operating systems
- ADSL line

Packaging Contents

- **Pulsar** PCI ADSL Modem Card
- 2m RJ11 Cable
- Distribution CD including :
 - Drivers, example scripts and user manuals for Linux & Windows
 - Roaring Penguin PPPoE client for Linux
 - Drivers for IPCop firewalls
 - Diagnostic software

Specifications

<p>Hardware Features</p> <ul style="list-style-type: none"> • ITU G.992 ADSL port • PCI Bus Local Bus Specification Rev 2.2 • 32 Bit bus width <p>ADSL Standards</p> <ul style="list-style-type: none"> • G.992.1 (G.DMT) • G.922.2 (G. Lite) • G.992 Annex A (ADSL over POTS) <p>Network Protocols</p> <ul style="list-style-type: none"> • PPP over ATM (RFC 2364 PPPoA) • PPP over Ethernet (RFC 2516 PPPoE) • Bridged Ethernet over ATM (RFC 1483) • Classical IP over ATM (RFC 1577) <p>Software Drivers</p> <ul style="list-style-type: none"> • Windows NT4.0 / 98 / ME / 2K / XP • Linux 2.2.x and 2.4.x kernels • IPCop 0.1.2 firewall software • e-smith 5.5 server and gateway software <p>Power Specifications Requires +12V and +5V with 3.3V or 5V bus Power Consumption:</p> <table> <thead> <tr> <th></th> <th>Typical</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>+5V</td> <td>1.8W</td> <td>2.1W</td> </tr> <tr> <td>+12V</td> <td>2.0W</td> <td>2.4W</td> </tr> <tr> <td>Total</td> <td>3.8W</td> <td>4.5W</td> </tr> </tbody> </table>		Typical	Maximum	+5V	1.8W	2.1W	+12V	2.0W	2.4W	Total	3.8W	4.5W	<p>Led Indicators</p> <ul style="list-style-type: none"> • Power • Line Sync • Transmit Data • Receive Data <p>Standards Compliance</p> <p>Europe</p> <ul style="list-style-type: none"> • EN60950 (Safety) • EN55022 - CSPIR 22 (EMC) • EN55024 - CSPIR 24 (Immunity) • ETSI TS 101 388 • ANFP OTR 004 <p>Australia</p> <ul style="list-style-type: none"> • ACA TS001 (Safety) • AS/NZS 3260 (Safety) • AS/ACIF S043 (ACA) • AS/NZS 3548 (EMC) <p>Support & Warranty</p> <ul style="list-style-type: none"> • on-line Internet support • unlimited email support (support@traverse.com.au) • 12 months warranty • 30-day money-back guarantee <p>Physical Dimensions 138mm * 44mm * 15mm (L*H*W)</p>
	Typical	Maximum											
+5V	1.8W	2.1W											
+12V	2.0W	2.4W											
Total	3.8W	4.5W											

Ordering Information

See the Traverse Technologies web site.

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