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PCI SERIAL PORT

8 & 16 Serial Multiplextors Adapter

olflower's PCI Serial Port is a low cost, high-speed Adapter designed to operate simultaneously with error-free up to 16 Ports using single PCI slot



General

The Solflower PCI-SRL-2CN Serial Adapter allows 8 to 16 serial devices to be connected via single PCI Bus slot. The Serial Port Adapter can operated simutaneously with each port' s error-free data rate up to 115.2 Kbps for all 8 through 16 ports. The Serial Port Adapter is designed to work with PCI systems, which run Solaris 8™, Solaris X86™, Window 98 - 2000, Linux Operating System.

Product Description

The Solflower PCI Serial Port Series is a low cost high-speed adapter design based on OX16PCI954™ and OX16C954 Quad UART with on chip PCI interface. It offers high data rates, deep transmitter, receiver FIFO, delicated data buffers, and flow control processing.
The OX16PCI954 on board is a dual-function device. Function 0 will be the internal Quad serial port built-in and function 1 provides an interface Quad UART OX16C954 that reside behind the controller (OX16PCI954). On the Solflower Serial Adapter board there are theree OX16C954s behind the controller. This makes up a total of 16 serial ports. Each channel in OX16PCI954 and OX16C954 can offer data rates up to 115.2 Kbps and 128-deep transmitter and receiver FIFOs. Deep FIFO reduce CPU overhead and ensure error-free operation especially in high speed transmitting and receiving

The Solflower PCI Serial Adapter consists of a board set and a one 8-line or two 8-line octopus cable (two, four, six up to 12-foot length). The Serial Adapter uses a single PCI slot of the host. Its software driver supports Solaris 8™, Solaris X86™, Window 98 - 2000, and Linux.

PCI INDUSTRIAL PICMG COMPUTERS

olflower Computer, Inc.

Specifications

PCI bus Interface

- PCI Local Bus version 2.1
- 32 bit, 5V slot
- PCI clock rate 33Mhz

Utilities Interface

- RS-232 - RS422/RS485 compatible
- DB-25 pin male/female connector
- Octopus cables with break-out boxes

Software Support

- SPARC Solaris 2.8 - 2.9
- X86 Solaris 2.8
- Window 98-2000
- Linux
- Ultilities for test and diagnostic

Physical Dimensions

- PCI Single Short Card

Height	4.20 inches
Width	6.875 inches
Weight	4.0 oz

- Cable Octopus DB-25

Length	12 Ft
Weight	4 Lbs

Ordering Information

PCI-SRL16-2CN	16 Serial Port with 2 set cable
PCI-SRL8-1CN	8 Serial Port with one set cable
CBL-SRL8-OCT	12 Ft Octopus cable (8 ports)
CBL-DB25M--6F	6 Ft Male DB-25 cable
CBL-VHD68MM-6FT	6 Ft VHDCI 68 pin Male-Male



Operation

Features

- 16 serial ports available from one PCI slot
- Data transfer rate up to 115.2 Kbps asynchronous, full duplex, simultaneously on all ports
- Full modem supports on all ports
- 128 bytes data buffer on each channel
- On board hardware and software flow control all ports
- Driver supports SPARC, Solaris, X86 Solaris, Window 98-2000, and Linux





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