UltraPort Serial Cards

Features and Benefits

- Operates with all major Windows, Vista, Linux, Solaris and SCO Unix operating systems

- 32 and 64 bit driver support

- Bi-directional speeds up to 921.6 Kbps on all ports

- Universal 3.3v/5v PCI bus slot support (PCI 2.3 compliant)

- PCI-X compatible

- Flexible solutions with 1, 2, 4, 8 or 16 serial ports

- 15kV ESD provides protection against electrostatic discharges and power surges

- Full modem control and hardware/software flow control

- Wide range of Specialix, Chase and Digi cabling and connection options

- Reach, RoHS and WEEE Compliant

The Perle UltraPort Universal 3.3v/5v PCI and PCI-X serial cards are the most advanced fixed port serial card solution on the market today providing a flexible range of solutions for retail point of sale, data acquisition, office automation, advanced kiosk design and much more.

Perle UltraPort communicates at bi-directional speeds up to 921.6 Kbps per port, and offers the highest standard of surge protection available, ensuring the reliability and security of your data.

A wide variety of DB9, DB25 and RJ45 cables and connector boxes support the most popular pin-outs from Perle Systems (formerly Specialix International, Chase Research) and Digi International. As you upgrade servers and cards to the latest PCI standard, only Perle can ensure you don't spend valuable budget allocations on re-cabling costs.
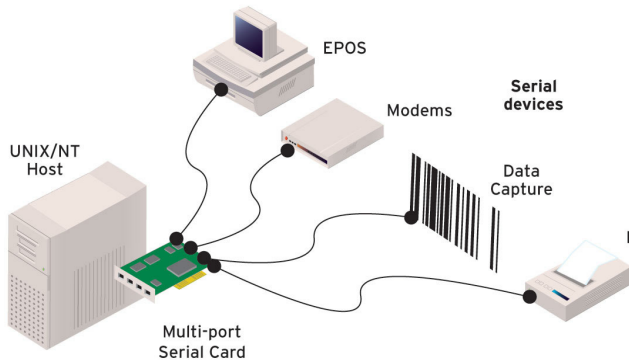
Applications

- *Retail Point of Sale*: Cash registers, receipt printers, bar code scanners, etc. need to be connected to back office servers

- *Medical*: Connect bed-side health monitors in hospitals to central nurse stations.

- *Transportation*: Connect Automatic Vehicle Identification (AVI) Equipment, Radar, Infrared Vehicle Scanners, Receipt printers and message signs in Toll Collection Systems

- *Manufacturing*: Access serial devices for factory, industrial and warehouse automation

- *Kiosks*: Connect internal modems, touch screens, receipt printers, keyboards, etc inside coin counting machines, gas station pay stations and airport check-in's

- *Education*: Access control (door entry) systems with 100's card and/or badge readers, monitor computer room usage
- Connect modem pools for remote access dial-in/dial-out

Class Leading Support and Warranty

Perle UltraPort Serial Cards are backed by the best service and support in the industry, including Perle's unique lifetime warranty. Since 1976 Perle has been providing its customers with networking products that have the highest levels of performance, flexibility and quality.

Click diagram for larger picture

HTSUS Number: 8517.62.0050 ECCN Code: 5A991

Supported Operating System Drivers: Download

- Linux 3.x, 2.6.x, 2.4.x, 2.2.16+ (32 / 64 Bit)
- Solaris (x86 and SPARC 32 / 64 Bit)
- SCO OpenServer
- SCO UnixWare
- Windows® 10

- Windows® Server 2012 R2
- Windows® 8.1 (32 / 64 Bit)
- Windows® Server 2012
- Windows® 8 (32 / 64 Bit)
- Windows® Server 2008 R2
- Windows® Server 2008 (32 / 64 Bit)
- Windows® Server 2003 (32 / 64 Bit)
- Windows® 7 (32 / 64 Bit)
- Windows® Vista (32 / 64 Bit)
- Windows® XP (32 / 64 Bit)
- Windows® 2000
- Windows® NT
- Windows® 95, 98

Connectors

UltraPort1:	1 on-board DB9M
UltraPort2:	2 on-board DB9M
UltraPort4:	4 on-board RJ45

UltraPort4-LP:	Single VHDCI-68 connector on low profile card
UltraPort8i:	8 on-board RJ12
UltraPort8:	Single VHDCI-68 female connector
UltraPort16:	Dual VHDCI-68 female connectors

VHDCI-68 Connector Options include DB9, DB25 and RJ45 connector boxes and fan-out cables with Specialix International, Chase Research and Digi International standard pin-outs

Serial Port Protection:

15Kv Electrostatic Discharge Protection (ESD)

Signal Support:

> *TXD, RXD, RTS, CTS, DTR, DCD, DSR, RI*

Host Interface:

- 32 Bit PCI Bus
- PCI 2.1 3.3/5v
- Full PCI plug and play compliant
- Single interrupt per card
- Up to 4 cards per host

Power Requirements:

> *UltraPort 1*
> *+5V +/-5% 140mA*
> *+12V +/-5% 60mA*
>
> *UltraPort 2*
> *+5V +/-5% 140mA*
> *+12V +/-5% 60mA*
>
> *UltraPort 4*
> *+5V +/-5% 320mA*
> *+12V +/-5% 220mA*
>
> *UltraPort 8, 8i*
> *+5V +/-5% 400mA*
> *+12V +/-5% 420mA*
>
> *UltraPort 16*
> *+5V +/-5% 520mA*
> *+12V +/-5% 550mA*

Dimensions:

UltraPort1:	H: 98.44mm x L:139.69mm
UltraPort2:	H: 98.44mm x L:139.69mm
UltraPort4:	H: 98.44mm x L:139.69mm
UltraPort4-LP:	H: 64.35mm x L:119.67mm
UltraPort8:	H: 64.41mm x L:167.44mm
UltraPort 8i:	H: 98.44mm x L:139.69mm
UltraPort16:	H: 98.44mm x L:187.92mm

Environmental:

- Operating temperature: 0° to 55° C
- Storage temperature: -40° to 66° C
- Relative Humidity: 10 to 90%, non-condensing

Approvals:

IEC 60950
EN60950-1:2001 + A11:2004
ANSI/UL 60950
EN55024:1998 + A1:2001 + A2:2003
FCC Part15 ,Class B
EN55022:1998 + A1:2000 + A2:2003 Class A
CAN/CSA 22.2, No.60950
ICES-003, Class B

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