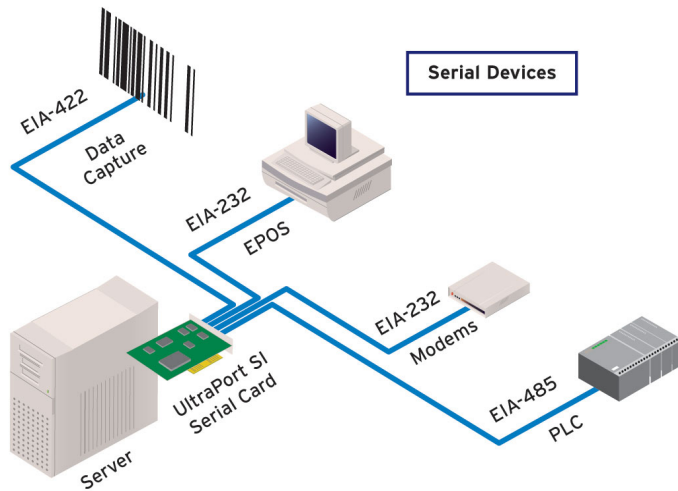# UltraPort SI Serial Cards

Features and Benefits

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

- 32 and 64 bit driver support

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

- Software Selectable RS-232/422/485 interfaces

- Each port can be configured individually to an RS232, RS422 or RS485 interface type

- Low Profile options on 1, 4 and 8 serial port models

- Speeds up to 3.6Mbps

- Universal 3.3/5v PCI bus slot support

- PCI-X compatible

- Industry leading 25 kV 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

- Lifetime Warrany

The Perle UltraPort SI PCI serial cards are the most advanced low profile serial card solutions on the market today for your serial communications board, providing a complete range of solutions for retail point of sale, data acquisition, industrial automation, advanced kiosk design and much more.

The Perle UltraPort SI's software selectable interfaces provide the ability to make dynamic configuration changes between RS232, RS422 and RS485 communications without having to take down the server. This ensures maximum availability for mission-critical operations. **Each serial port can be configured individually to any interface type.**

A wide variety of DB9, DB25, and RJ45 cables and connector boxes support the most popular pin-outs from 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.

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 SI-LP:	1 on-board DB9M connector on low profile card
UltraPort2 SI:	2 on-board DB9M
UltraPort4 SI-LP:	Single VHDCI-68 connector on low profile card
UltraPort8 SI-LP:	Single VHDCI-68 connector on low profile card
UltraPort16 SI:	Dual VHDCI-68 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

EIA 422/485 Wiring Topology

EIA-422:	4-wire Full Duplex (point-to-point)
EIA-485:	4-wire Full Duplex (multi-drop)
	2-wire Half Duplex (multi-drop)
	2-wire Full Duplex (point-to-point)

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

Serial Port Protection:

15Kv Electrostatic Discharge Protection (ESD)

Signal Support:

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

Power Requirements:

- *UltraPort1 SI-LP:*

  +5V +/-5% 300mA
  -/+12V +/-5% 5mA

- *UltraPort2 SI:*

  +5V +/-5% 410mA
  -/+12V +/-5% 10mA

- *UltraPort4 SI*

  +5V +/-5% 800mA
  -/+12V +/-5% 20mA

- *UltraPort8 SI:*

  +5V +/-5% 1500mA
  -/+12V +/-5% 30mA

- *UltraPort16 SI:*

  +5V +/-5% 3000mA
  +12V +/-5% 65mA

Dimensions:

UltraPort1 SI-LP: 56mm (H) x 120mm (L) MDI PCI Standard
UltraPort2 SI: 88mm (H) x 132mm (L)
UltraPort4 SI-LP: 56mm (H) x 168mm (L) MD2 PCI Standard
UltraPort8 SI-LP: 56mm (H) x 168mm (L) MD2 PCI Standard
UltraPort16 SI: 98.5mm (H) x 188mm (L)

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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