Edgeport® **USB-to-Serial Converters**

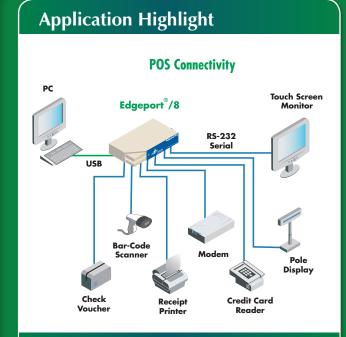
Easy out-of-the-box solution for I/O expansion is available in a wide variety of configurations for maximum flexibility and scalability.

Overview

Edgeport USB-to-serial converters offer instant I/O expansion for peripheral device connectivity. An out-of-the-box (external) alternative to PCI cards, Edgeport makes it easy to add serial, USB or parallel ports to a PC, server or thin client in minutes - without opening the chassis, reconfiguring or rebooting the system.

Edgeport is available in multiple configurations for maximum flexibility and scalability. Choose from compact form factors for space-prohibitive applications; single port "bump-in-thecable" solutions for notebook expansion; software-selectable RS-232/422/485 models to connect any type of serial device to one box; metal enclosures for rugged applications; models with galvanic isolated ports for extended electrical safety; and DB-9, DB-25 or RJ-45 connectors to meet cabling requirements.

Feature-rich design, reliability and unmatched operating system support make Edgeport USB-to-serial converters ideal for mission-critical enterprise applications.



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Edgeport/4

Features/Benefits

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- Add 1, 2, 4, 8 or 16 serial ports to a PC, thin client or server in minutes
- Designed for peripheral device connectivity in retail stations, self check-out systems, emergency vehicles, kiosks, ATMs and more
- Multi-interface, software selectable MEL galvanic isolated, industrial, compact and metal models
- Low total cost of ownership with external, userinstallable solution
- EdgeUSB technology makes it possible to use Digi's USB products on Windows NT and Windows NT **Embedded systems**



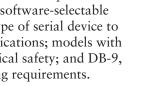




Industrial Automation

Retail/POS





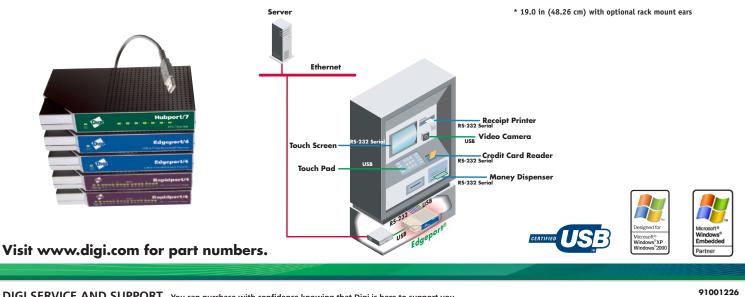
| Specifications | Edgeport® Serial | Edgeport [®] Multi-Interface | Edgeport [®] Extended Safety | Edgeport® Industrial | | |
|------------------------------|-------------------------|--|--|--|--|--|
| Interfaces (Varies by Model) | ~~~~~ | | | | | |
| Serial Ports | 1, 2, 4, 8 or 16 | 2 | 4 (separately isolated) | 1, 2, 4 or 8 | | |
| Serial Type | RS-232 | RS-232 | RS-232/422/485 | RS-232, RS-422, RS-422/485, software selectable RS-232/422/485 | | |
| Serial Connector | DB-9, DB-25 or RJ-45 | DB-9 | DB-9 | DB-9 | | |
| Serial Data Rate | | 230 Kbps per port simultaneously | | | | |
| Downstream USB Ports | 4 (16-port models only) | 4 | 1 (separately isolated) | 0 | | |
| Other Ports | N/A | 1 parallel printer port | N/A | N/A | | |
| Features | | | | | | |
| USB | USB 1.0 and U | USB 1.0 and USB 1.1 compatible; backwards compatibility for USB 2.0; USB-IF certified; Plug and Play | | | | |
| LEDs | | Tri-state LED displays device status and COM port activity | | | | |
| Operating Systems | | Windows® 7, Windows Vista®, Windows Server® 2008, Windows Server® 2008 R2, Windows XP®, Windows XP Embedded, Windows NT® 4.0, Windows NT Embedded, Windows CE 5, Windows CE 6 (x86 only), Windows Server® 2003, Windows Server® 2003 R2, Windows 2000; Linux*, Sun Solaris (SPARC)** | | | | |
| Cables | | 1-meter USB cable | | | | |
| Other (General) | | Automatic port reacquisition; COM port assignments maintained across reboots; Full hardware and software flow control; No additional IRQ or memory address requirements; Low power consumption; Rack mountable; Hot-swappable; Bulk packaging and customized cabling options | | | | |
| Other (Model-Specific) | N/A | N/A | 2.0 kV DC galvanic isolation on all ports | N/A | | |
| Power Requirements | | | | | | |
| Power Supply | | External power supply not required for models without USB ports (USB powered); Models with USB ports (Edgeport/421, Edgeport 416) ship with plug-mounted power supply: 120/230VAC 60/50 Hz at 5VDC @ 3 Amps max | | | | |
| Environmental | | | | | | |
| Operating Temperature | | 0° C to 55° C (32° F to 131° F) | | | | |
| Relative Humidity | | 0% to 95% (non-condensing) | | | | |
| Regulatory Approvals | | | | | | |
| Safety | | EN60950, UL 1950, CSA 2.2 No. 950, IEC 950 | | | | |
| Emissions/Immunity | | CE, FCC Part 15 Class B, EN55022, EN55024 | | | | |

*Driver support provided by Linux USB maintainers. **Driver support provided by Sun.

| Specifications | Edgeport [®] Compact | Edgeport® Metal | | | |
|------------------------------|--|-------------------|--|--|--|
| Interfaces (Varies by Model) | | | | | |
| Serial Ports | 2 | 2 or 4 | | | |
| Serial Type | RS-232 | RS-232 | | | |
| Serial Connector | DB-9 | | | | |
| Serial Data Rate | 230 Kbps per port simultaneously | | | | |
| Downstream USB Ports | 2 | 0 | | | |
| Other Ports | N/A | N/A | | | |
| Features | | | | | |
| USB | USB 1.0 and USB 1.1 compatible; backwards compatibility for USB 2.0; USB-IF certified; Plug and Play | | | | |
| LEDs | Tri-state LED displays device status and COM port activity | | | | |
| Operating Systems | Windows® 7, Windows Vista®, Windows Server® 2008, Windows Server® 2008 R2, Windows XP®, Windows XP Embedded, Windows NT® 4.0, Windows NT Embedded, Windows CE 5, Windows CE 6 (x86 only), Windows Server® 2003, Windows Server® 2003 R2, Windows 2000; Linux*, Sun Solaris (SPARC)** | | | | |
| Cables | Captive 2-meter cable for secure connection in rugged environments (mobile computing) | 1-meter USB cable | | | |
| Other (General) | Automatic port reacquisition; COM port assignments maintained across reboots; Full hardware and software flow control; No additional IRQ or memory address requirements; Low power consumption; Rack mountable; Hot-swappable; Bulk packaging and customized cabling options | | | | |
| Other (Model-Specific) | N/A Aluminum chassis; Designed for rugged environmen vehicles, restaurant kitchens); Rack mount bracket fo | | | | |
| Power Requirements | | | | | |
| Power Supply | USB powered | | | | |
| Environmental | | | | | |
| Operating Temperature | 0° C to 55° C (32° F to 131° F) | | | | |
| Relative Humidity | 0% to 95% (non-condensing) | | | | |
| Regulatory Approvals | | | | | |
| Safety | EN60950, UL 1950, CSA 2.2 No. 950, IEC 950 | | | | |
| Emissions/Immunity | CE, FCC Part 15 Class B, EN55022, EN55024 | | | | |

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| Measurements | | | |
|--------------------------------------|--|--|--|
| | Edgeport/1, 1i Length: 3.15 in (8.00 cm) Width: 1.75 in (4.40 cm) Height: 0.80 in (2.03 cm) Weight: 1.60 oz (45.36 g) | | |
| Edgeport Trace | Edgeport/2m, 4m Length: 4.30 in (10.92 cm) Width: 8.00 in (20.32 cm) Height: 1.36 in (3.45 cm) Weight: 10.00 oz (311.00 g) | | |
| | Edgeport/2c, 22c Length: 2.38 in (6.04 cm) Width: 3.94 in (10.00 cm) Height: 1.00 in (2.54 cm) Weight: 5.00 oz (141.75 g) | | |
| | Edgeport/416, 416/DB-25, 8/DB-25 Length: 5.00 in (12.70 cm) Width: 17.00* in (43.118 cm) Height: 1.80 in (4.53 cm) Weight: 41.30 oz (1170.84 g) | | |
| E SSS Adapparty recommendation | Edgeport/4/DB-25, 8, 8s MEI Length: 4.35 in (11.05 cm) Width: 7.20 in (18.29 cm) Height: 1.75 in (4.45 cm) Weight: 16.00 oz (453.59 g) | | |
| Edgeport/d Bill Parameter | Edgeport/2, 2i, 21, 4, 4s MEI, 4s MEI Isolated, 421, 8r Length: 4.35 in (11.05 cm) Width: 7.20 in (18.29 cm) Height: 1.03 in (2.61 cm) Weight: 10.00 oz (311.00 g) | | |



Singapore

+65-6213-5380

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+91-80-4287-9887