

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 and USB 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-the-cable” 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.

Target Applications



Industrial Automation



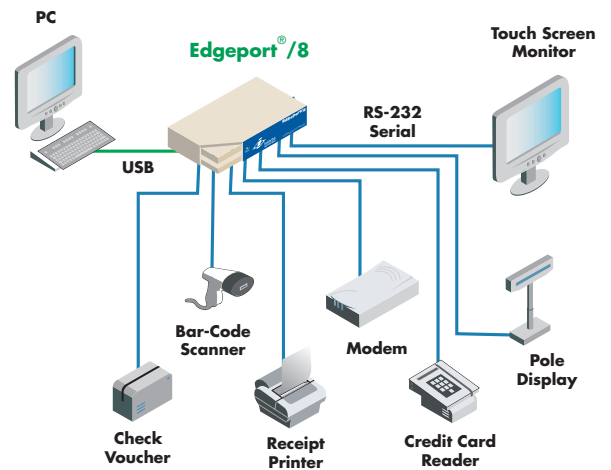
Retail/POS



Medical/Healthcare

Application Highlight

POS Connectivity



Features/Benefits

- 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
- Software selectable MEI, galvanic isolated, industrial, compact and metal models
- Low total cost of ownership with external, user-installable solution



Specifications	Edgeport® Serial	Edgeport® Extended Safety	Edgeport® Industrial
Interfaces (Varies by Model)			
Serial Ports	1, 2, 4, 8 or 16	4 (separately isolated)	1, 2, 4 or 8
Serial Type	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
Serial Data Rate	230 Kbps per port simultaneously		
Downstream USB Ports	4 (16-port models only)	1 (separately isolated)	0
Features			
USB	USB 1.0 and USB 1.1 compatible; backwards compatibility for USB 2.0 and USB 3.0; USB-IF certified; Plug and Play		
LEDs	Tri-state LED displays device status and COM port activity		
Operating Systems	Windows® 8, Windows 7, Windows Vista®, Windows Server 2012, Windows Server® 2008 R2, Windows XP®, Windows XP Embedded, Windows CE 5, Windows CE 6 (x86 only), 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	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 and USB 3.0; USB-IF certified; Plug and Play	
LEDs	Tri-state LED displays device status and COM port activity	
Operating Systems	Windows® 8, Windows 7, Windows Vista®, Windows Server 2012, Windows Server® 2008 R2, Windows XP®, Windows XP Embedded, Windows CE 5, Windows CE 6 (x86 only), 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 environments (emergency vehicles, restaurant kitchens); Rack mount bracket for added security

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

*Driver support provided by Linux USB maintainers.

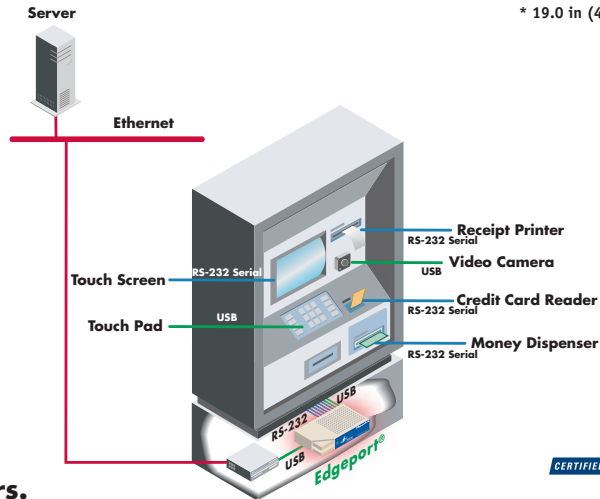
**Driver support provided by Sun.

Measurements

	<p>Edgeport/1, 1i</p> <p>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)</p>
	<p>Edgeport/2m, 4m</p> <p>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)</p>
	<p>Edgeport/2c, 22c</p> <p>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)</p>
	<p>Edgeport/416, 416/DB-25, 8/DB-25</p> <p>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)</p>
	<p>Edgeport/4/DB-25, 8, 8s MEI</p> <p>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)</p>
	<p>Edgeport/2, 2i, 4, 4s MEI, 4s MEI Isolated, 8r</p> <p>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)</p>

Server

* 19.0 in (48.26 cm) with optional rack mount ears



Visit www.digi.com for part numbers.



DIGI SERVICE AND SUPPORT - You can purchase with confidence knowing that Digi is here to support you with expert technical support and a strong five-year warranty. www.digi.com/support

91001226
E4/513

**Digi International
Worldwide HQ**

877-912-3444
952-912-3444

**Digi International
France**

+33-1-55-61-98-98
www.digi.fr

**Digi International
Japan**

+81-3-5428-0261
www.digi-intl.co.jp

**Digi International
India**

+91-80-4287-9887

**Digi International
Singapore**

+65-6213-5380

**Digi International
China**

+86-21-5150-6898
www.digi.cn

BUY ONLINE • www.digi.com

© 2003-2013 Digi International Inc.

All rights reserved. Digi, Digi International, the Digi logo, Edgeport and Watchport are trademarks or registered trademarks of Digi International Inc. in the United States and other countries worldwide. Microsoft, Windows, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries. All other trademarks are the property of their respective owners. All information provided is subject to change without notice.

info@digi.com

