

# 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.



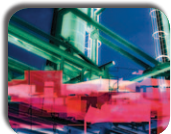
## Overview

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-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



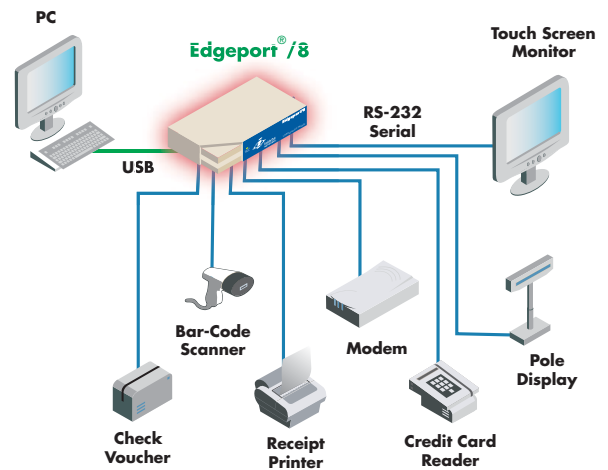
Retail/POS



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
- Multi-interface, software selectable MEI, galvanic isolated, USB PlusPower, industrial, compact and metal models
- Low total cost of ownership with external, user-installable solution
- EdgeUSB technology makes it possible to use Digi's USB products on Windows NT and Windows NT Embedded systems



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# 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	4	1 (separately isolated)	0
Other Ports	N/A	1 parallel printer port	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 XP®, Windows XP Embedded, Windows NT® 4.0, Windows NT Embedded, Windows CE, Windows Server® 2003, 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			
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## 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			

# Specifications

Edgeport® Compact

Edgeport® Metal

Edgeport® USB PlusPower

## Interfaces (Varies by Model)

Serial Ports	2	2 or 4	2
Serial Type	RS-232	RS-232	RS-232
Serial Connector	DB-9		
Serial Data Rate	230 Kbps per port simultaneously		
Downstream USB Ports	2	0	4 USB PlusPower (powered USB)
Other Ports	N/A	N/A	2 RS-232 DB-9

## 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 XP®, Windows XP Embedded, Windows NT® 4.0, Windows NT Embedded, Windows CE, Windows Server® 2003, 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	See USB Plus Series datasheet for more information

## Power Requirements

Power Supply	USB powered	Ships with plug-mounted power supply: 120-240VAC 60/50 Hz at 24VDC@3 Amps max
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## Environmental

Operating Temperature	0° C to 55° C (32° F to 131° F)
Relative Humidity	0% to 95% (non-condensing)

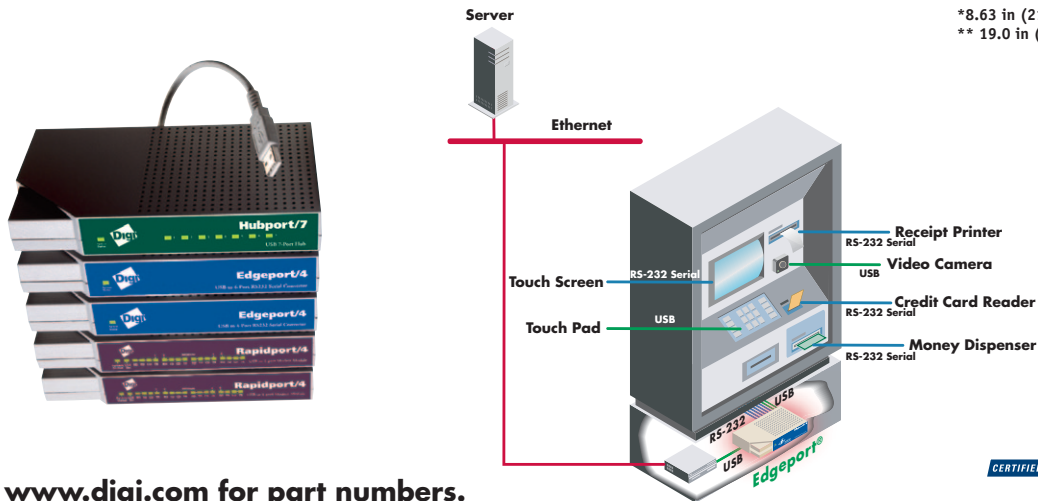
## Regulatory Approvals

Safety	EN60950, UL 1950, CSA 2.2 No. 950, IEC 950
Emissions/Immunity	CE, FCC Part 15 Class B, EN55022, EN55024

## Measurements

	<p><b>Edgeport/1, 1i</b></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><b>Edgeport/2m, 4m</b></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><b>Edgeport/2c, 22c</b></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><b>Edgeport/416, 416/DB-25, 8/DB-25</b></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><b>Edgeport/4/DB-25, 42+, 8, 8s MEI</b></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><b>Edgeport/2, 2i, 21, 4, 4s MEI, 4s MEI Isolated, 421, 8r</b></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>

\*8.63 in (21.92 cm) with optional mounted power supply tray  
 \*\* 19.0 in (48.26 cm) with optional rack mount ears



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