DIGI

EDGEPORT®

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

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 or DB-25 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.
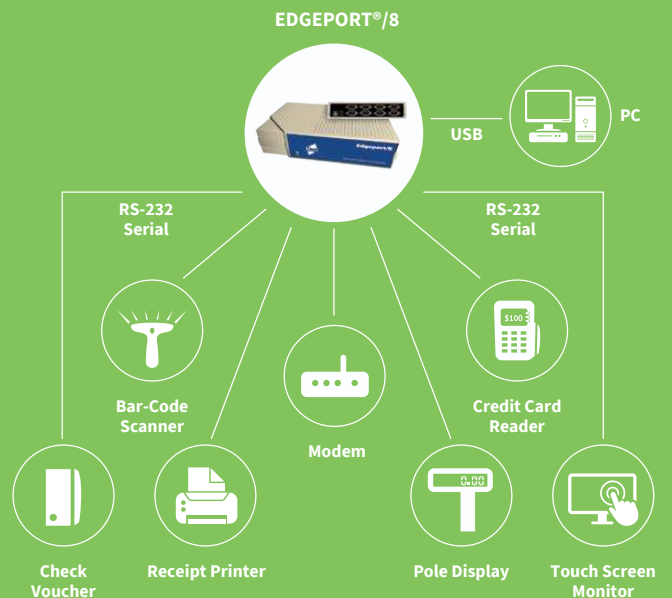
BENEFITS

– 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 ruggedized models

– Low total cost of ownership with external, user-installable solution

APPLICATION EXAMPLE

POS CONNECTIVITY

EDGEPORT®/8

USB → PC

RS-232 Serial

RS-232 Serial

Bar-Code Scanner

Modem

Credit Card Reader

Check Voucher

Receipt Printer

Pole Display

Touch Screen Monitor

RELATED PRODUCTS

AnywhereUSB®

Hubport®

Rapidport/4®

PortServer® TS

Cables and Accessories

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-422/485, software selectable RS-232/422/485
SERIAL CONNECTOR	DB-9, DB-25	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 10®, 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		
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 416) ship with power supply: 100/240VAC 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.

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SPECIFICATIONS	Edgeport® Compact	Edgeport® Metal
INTERFACES (VARIES BY MODEL)		
SERIAL PORTS	2	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® 10, 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 environ-ments (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	
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	

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SPECIFICATIONS	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/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)
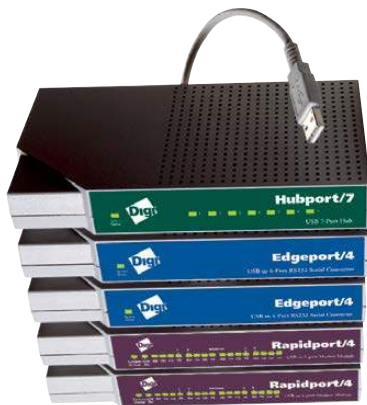
EDGEPORT/4/DB-25, 8, 8S MEI

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/2, 2S, 4, 4S MEI, 4S MEI ISOLATED

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)

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

VIDEO CAMERA — USB

TOUCH SCREEN — RS-232 Serial

MONEY DISPENSER — RS-232 Serial

TOUCH PAD — USB

RS-232 Serial — CREDIT CARD READER

RS-232 Serial — RECEIPT PRINTER

SERVER

Ethernet

USB

PART NUMBERS	DESCRIPTION
301-1003-10	Edgeport/2c - 2 RS-232 serial DB-9, captive 2-meter cable
301-1003-30	Edgeport/22c - 2 USB, 2 RS-232 serial DB-9, captive cable
301-1000-02	Edgeport/2 - 2 RS-232 serial DB-9
301-1000-03	Edgeport/2 - 2 RS-232 serial DB-9 (International)
301-1000-04	Edgeport/4 - 4 RS-232 serial DB-9
301-1000-10	Edgeport/416 DB-9 - 4 USB, 16 RS-232 serial DB-9, rack mountable
301-1001-11	Edgeport/1 - 1 RS-232 serial DB-9
301-1001-21	Edgeport/1 25 Unit Bulk Pack - 1 RS-232 serial DB-9 (25 each)
301-1001-15	Edgeport/1 with 2-Meter Captive Cable - 1 RS-232 serial DB-9, captive 2 meter cable
301-1002-08	Edgeport/8 DB-9 - 8 RS-232 serial DB-9
301-1016-08	Edgeport/8/DB-25 - 8 RS-232 serial DB-25, rack mountable
301-1016-16	Edgeport/416 DB-25 - 4 USB, 16 RS-232 serial DB-25, rack mountable
301-2000-10	Edgeport/416 DB-9 - 4 USB, 16 RS-232 serial DB-9, rack mountable (International)
301-2016-16	Edgeport/416 DB-25 - 4 USB, 16 RS-232 serial DB-25, rack mountable (International)
301-1000-95	Edgeport/4s MEI Isolated - 4 RS-232/422/485 serial DB-9 software selectable with galvanic isolation
301-1000-92	Edgeport/2s MEI - 2 RS-232/422/485 serial DB-9; software selectable
301-1000-94	Edgeport/4s MEI - 4 RS-232/422/485 serial DB-9; software selectable
301-1001-31	Edgeport/1i - 1 RS-422/485 serial DB-9
301-1002-98	Edgeport/8s MEI - 8 RS-232/422/485 serial DB-9; software selectable
301-1000-81	Edgeport/4m - 4 RS-232 serial DB-9, aluminum chassis

FOR MORE INFORMATION
PLEASE VISIT WWW.DIGI.COM

CERTIFIED USB

Designed for
Microsoft®
Windows® XP
Windows® 2000

Microsoft®
Windows®
Embedded
Partner

91001226
F1/915

DIGI INTERNATIONAL WORLDWIDE HQ
877-912-3444 / 952-912-3444 / www.digi.com

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 SINGAPORE
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