



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





USB-TO-SERIAL
CONVERTERS



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; 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

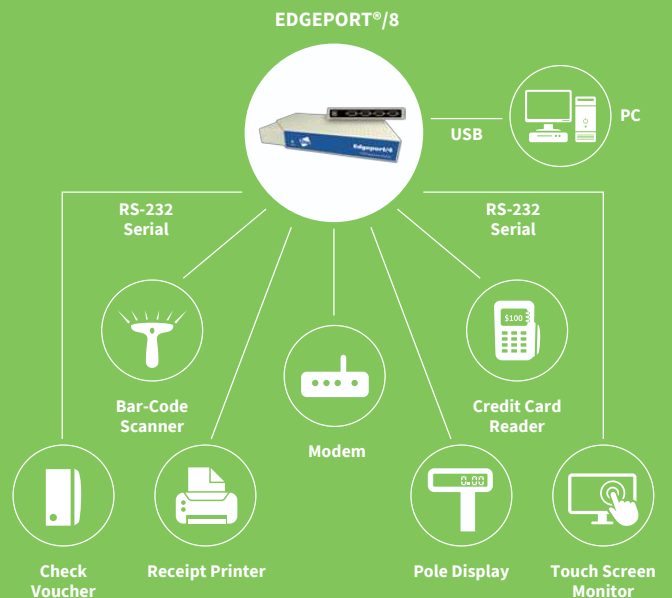
- Add 1, 2, 4, 8 or 16 serial ports to a PC, thin client or server in minutes
- Designed for peripheral device connectivity in retail stations, self check-out systems, emergency vehicles, kiosks, ATMs and more
- Software selectable MEI, galvanic isolated, industrial, and compact models
- Low total cost of ownership with external, user-installable solution

RELATED PRODUCTS



APPLICATION EXAMPLE

POS CONNECTIVITY



SPECIFICATIONS

Edgeport® Serial

| Edgeport® Extended Safety

| Edgeport® Industrial

| Edgeport® Compact

INTERFACES (VARIES BY MODEL)

SERIAL PORTS	1, 2, 4, 8 or 16	4 (separately isolated)	1, 2, 4 or 8	2
SERIAL TYPE	RS-232	RS-232/422/485	RS-422/485, software selectable RS-232/422/485	RS-232
SERIAL CONNECTOR	DB-9, DB-25	DB-9	DB-9	DB-9
SERIAL DATA RATE	230 Kbps per port simultaneously	230 Kbps per port simultaneously	230 Kbps per port simultaneously	230 Kbps per port simultaneously
DOWNSTREAM USB PORTS	4 (16-port models only)	1 (separately isolated)	0	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 Server® 2016, 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	1-meter USB cable	1-meter USB cable	Captive 2-meter cable for secure connection in rugged environments (mobile computing)
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	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			USB powered
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ENVIRONMENTAL

OPERATING TEMPERATURE	0° C to 55° C (32° F to 131° F)	0° C to 55° C (32° F to 131° F)	0° C to 55° C (32° F to 131° F)	0° C to 55° C (32° F to 131° F)
RELATIVE HUMIDITY	0% to 95% (non-condensing)	0% to 95% (non-condensing)	0% to 95% (non-condensing)	0% to 95% (non-condensing)

REGULATORY APPROVALS

SAFETY	EN60950, UL 1950, CSA 2.2 No. 950, IEC 950	EN60950, UL 1950, CSA 2.2 No. 950, IEC 950	EN60950, UL 1950, CSA 2.2 No. 950, IEC 950	EN60950, UL 1950, CSA 2.2 No. 950, IEC 950
EMISSIONS/IMMUNITY	CE, FCC Part 15 Class B, EN55022, EN55024	CE, FCC Part 15 Class B, EN55022, EN55024	CE, FCC Part 15 Class B, EN55022, EN55024	CE, FCC Part 15 Class B, EN55022, EN55024

*Driver support provided by Linux USB maintainers.

**Driver support provided by Sun.

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/2C

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

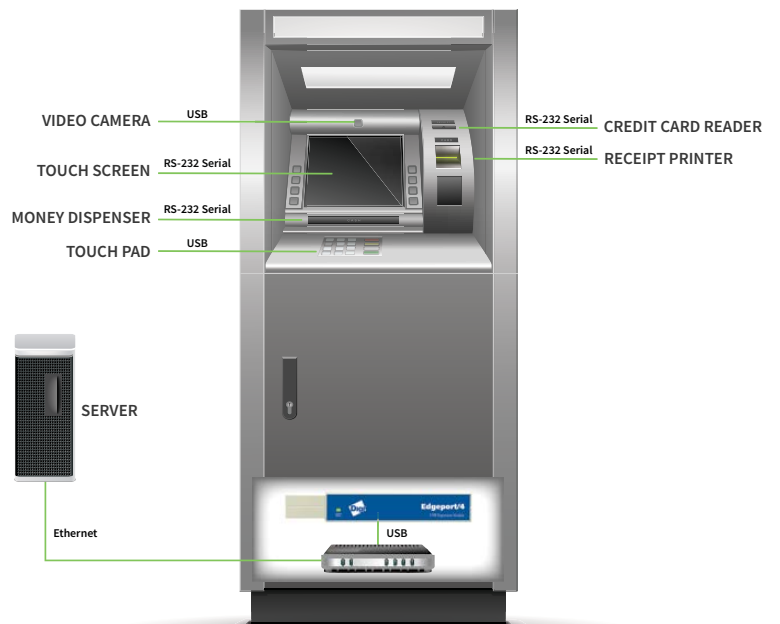
Length: 4.35 in (11.05 cm)
 Width: 7.20 in (18.29 cm)
 Height: 1.75 in (4.45 cm)
 Weight: 16.00 oz (453.59 g)



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



PART NUMBERS	DESCRIPTION
301-1003-10	Edgeport/2c - 2 RS-232 serial DB-9, captive 2-meter cable
301-1000-02	Edgeport/2 - 2 RS-232 serial DB-9
301-1000-04	Edgeport/4 - 4 RS-232 serial DB-9
301-1016-01	Edgeport/4 - 4 RS-232 serial DB-25
301-1001-11	Edgeport/1 - 1 RS-232 serial DB-9
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
301-2000-10	Edgeport/416 DB-9 - 4 USB, 16 RS-232 serial DB-9, rack mountable
301-2016-16	Edgeport/416 DB-25 - 4 USB, 16 RS-232 serial DB-25, rack mountable
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

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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
+65-6213-5380

DIGI INTERNATIONAL CHINA
+86-21-50492199 / www.digi.com.cn

