



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; 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

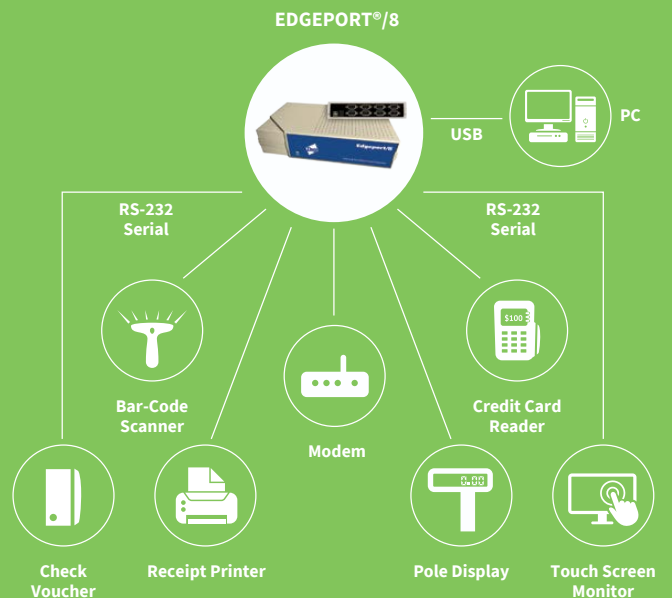
- Add 1, 2, 4, 8 or 16 serial ports to a PC, thin client or server in minutes
- Designed for peripheral device connectivity in retail stations, self check-out systems, emergency vehicles, kiosks, ATMs and more
- Software selectable MEI, galvanic isolated, industrial, compact and metal ruggedized models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

## RELATED PRODUCTS



## APPLICATION EXAMPLE

### POS CONNECTIVITY



| SPECIFICATIONS                      | Edgeport® Serial   Edgeport® Extended Safety   Edgeport® Industrial  |   |   |
|-------------------------------------|--|---|---|
| <b>INTERFACES (VARIES BY MODEL)</b> |  |   |   |
| <b>SERIAL PORTS</b>                 | 1, 2, 4, 8 or 16   | 4 (separately isolated)                   | 1, 2, 4 or 8                                      |
| <b>SERIAL TYPE</b>                  | RS-232   | RS-232/422/485                            | RS-422/485, software selectable<br>RS-232/422/485 |
| <b>SERIAL CONNECTOR</b>             | DB-9, DB-25  | DB-9                                      | DB-9  |
| <b>SERIAL DATA RATE</b>             | 230 Kbps per port simultaneously   |   |   |
| <b>DOWNSTREAM USB PORTS</b>         | 4 (16-port models only)  | 1 (separately isolated)                   | 0   |
| <b>FEATURES</b>                     |  |   |   |
| <b>USB</b>                          | USB 1.0 and USB 1.1 compatible; backwards compatibility for USB 2.0 and USB 3.0; USB-IF certified; Plug and Play   |   |   |
| <b>LEDS</b>                         | Tri-state LED displays device status and COM port activity   |   |   |
| <b>OPERATING SYSTEMS</b>            | 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)** |   |   |
| <b>CABLES</b>                       | 1-meter USB cable  |   |   |
| <b>OTHER (GENERAL)</b>              | 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                  |   |   |
| <b>OTHER (MODEL-SPECIFIC)</b>       | N/A  | 2.0 kV DC galvanic isolation on all ports | N/A   |
| <b>POWER REQUIREMENTS</b>           |  |   |   |
| <b>POWER SUPPLY</b>                 | 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   |   |   |
| <b>ENVIRONMENTAL</b>                |  |   |   |
| <b>OPERATING TEMPERATURE</b>        | 0° C to 55° C (32° F to 131° F)  |   |   |
| <b>RELATIVE HUMIDITY</b>            | 0% to 95% (non-condensing)   |   |   |
| <b>REGULATORY APPROVALS</b>         |  |   |   |
| <b>SAFETY</b>                       | EN60950, UL 1950, CSA 2.2 No. 950, IEC 950   |   |   |
| <b>EMISSIONS/IMMUNITY</b>           | 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   |
|-------------------------------------|--|-------------------|---|
| <b>INTERFACES (VARIES BY MODEL)</b> |  |                   |   |
| <b>SERIAL PORTS</b>                 | 2  |                   | 4   |
| <b>SERIAL TYPE</b>                  | RS-232   |                   | RS-232  |
| <b>SERIAL CONNECTOR</b>             | DB-9   |                   |   |
| <b>SERIAL DATA RATE</b>             | 230 Kbps per port simultaneously   |                   |   |
| <b>DOWNSTREAM USB PORTS</b>         | 2  |                   | 0   |
| <b>OTHER PORTS</b>                  | N/A  |                   | N/A   |
| <b>FEATURES</b>                     |  |                   |   |
| <b>USB</b>                          | USB 1.0 and USB 1.1 compatible; backwards compatibility for USB 2.0 and USB 3.0; USB-IF certified; Plug and Play   |                   |   |
| <b>LEDS</b>                         | Tri-state LED displays device status and COM port activity   |                   |   |
| <b>OPERATING SYSTEMS</b>            | 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)** |                   |   |
| <b>CABLES</b>                       | Captive 2-meter cable for secure connection in rugged environments (mobile computing)  |                   | 1-meter USB cable   |
| <b>OTHER (GENERAL)</b>              | 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                  |                   |   |
| <b>OTHER (MODEL-SPECIFIC)</b>       | N/A  |                   | Aluminum chassis; Designed for rugged environments (emergency vehicles, restaurant kitchens); Rack mount bracket for added security |
| <b>POWER REQUIREMENTS</b>           |  |                   |   |
| <b>POWER SUPPLY</b>                 | USB powered  |                   |   |
| <b>ENVIRONMENTAL</b>                |  |                   |   |
| <b>OPERATING TEMPERATURE</b>        | 0° C to 55° C (32° F to 131° F)  |                   |   |
| <b>RELATIVE HUMIDITY</b>            | 0% to 95% (non-condensing)   |                   |   |
| <b>REGULATORY APPROVALS</b>         |  |                   |   |
| <b>SAFETY</b>                       | EN60950, UL 1950, CSA 2.2 No. 950, IEC 950   |                   |   |
| <b>EMISSIONS/IMMUNITY</b>           | 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/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



| 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  
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## JONHON

«JONHON» (основан в 1970 г.)

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