



Contents

NEW	New Releases	2
NEW	Ethernet to DIO	3
	Ethernet Switches	6
	Ethernet to Serial	7
	USB to Serial	11
	Bluetooth to Serial	12
	Laptop Express Cards	13
	PCMCIA	14
	PCI Express	15
	uPCI	17
	Custom Design	20
	Benefits	21
	Support	22
	Contact us	23

New Releases

NEW



Industrial Ranges

Process, control and automation in the palm of your hand. Designed for the factory floor.



Industrial Ethernet to DIO Devices (-30°C to +80°C, -22°F to +176°F Temperature range)

Ethernet to 16 Digital Inputs ED-516

Ethernet to 16 Digital Outputs ED-527

Ethernet to 8 Digital Inputs + 4 Relays ED-538

Ethernet to 8 Digital Inputs + 8 Digital Outputs ED-588



Industrial Ethernet to Serial Devices (-30°C to +80°C, -22°F to +176°F Temperature range)

Ethernet to Serial Adaptor 1 Port RS232/RS422/RS425 ES-511

Ethernet to Serial Adaptor 2 Port RS232/RS422/RS425 ES-522

Ethernet to Serial Adaptor 1 Port RS232/RS422/RS425 ES-551

Galvanic Isolation

Ethernet to Serial Adaptor 1 Port RS232/RS422/RS425 ES-571

Galvanic Isolation with Ethernet Switch



Industrial Ethernet Switches (-30°C to +80°C, -22°F to +176°F Temperature range)

Ethernet 4 Port Switch SW-504

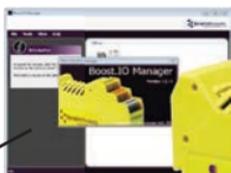
NEW

Ethernet to DIO



The Ethernet to DIO Range allows network control and monitoring of factory floor devices that use protected high voltage/high current digital inputs or outputs. The ED range of devices uses the de facto industry standard ASCII command protocol implemented in the popular ADAM/NuDAM/EDAM modules. Our software allows hassle free installation, configuration and monitoring via our easy to use webpage. The Windows software gives local COM ports that are backwards compatible enabling legacy applications and the device to work with a myriad of different 3rd party software.

8 Digital Outputs



**Easy to use Interface:
Great features for remote
monitoring**



**RS485 Gateway for
NuDAM/ADAM Modules**

Ethernet port

**LED Status
Indication**

Integral DIN rail mount

8 Digital Inputs

+5V to +30V Power Supply

Ethernet to DIO

Industrial Ethernet to DIO Devices (-30°C to +80°C, -22°F to +176°F Temperature range)

Ethernet to 16 Digital Inputs ED-516

Ethernet to 16 Digital Outputs ED-527

Ethernet to 8 Digital Inputs + 4 Relays ED-538

Ethernet to 8 Digital Inputs + 8 Digital Outputs ED-588



Brainboxes' Easy Wire Feature:

Removable screw terminal blocks make installation easier and quicker
Colour coded blocks and ports prevents incorrect connection
Numbered Pins simplifies wiring and removes confusion



Ethernet to DIO Device Server:

The Ethernet to DIO device is implemented using a Windows COM port driver that is completely compatible with all popular PC packages such as LabView, MATLAB and Agilent VEE and support a range of popular APIs. Continue to get value from your existing development and process control system.

Ethernet to DIO +



In our light industrial cases with removable screw terminal blocks our Ethernet to DIO Plus range offers a compact solution for process control where more than just Digital In/Out is needed. These multifunction products are still simple to install with configuration and monitoring via our easy to use webpage. Talk to our sales team about custom configurations.

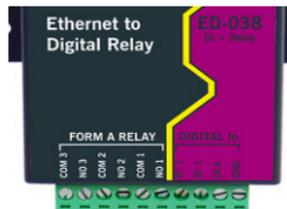
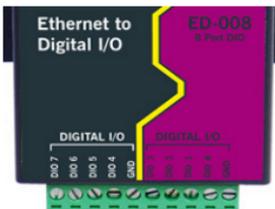
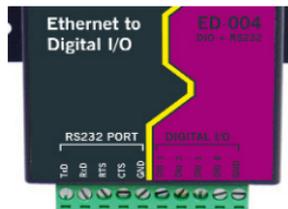
Screw Terminal Ethernet to DIO Devices (0°C to +60°C, +32°F to +140°F Temperature range)

Ethernet to 8 Digital Inputs/Outputs ED-008

Ethernet to 4 Digital Inputs/Outputs + Ethernet to RS232 ED-004

Ethernet to 3 Relays + 3 Digital Inputs ED-038

Ethernet to 4 Digital Inputs/Outputs + RS232 + Ethernet Switch ED-204



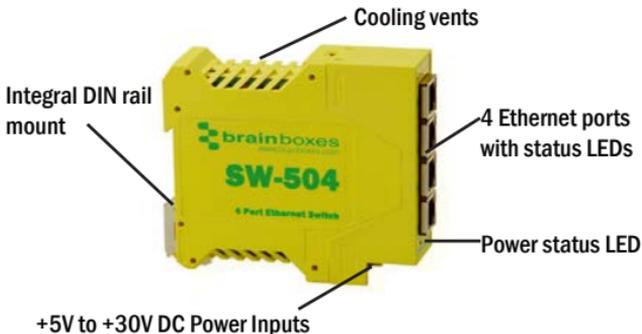
Ethernet Switches



Connect more to your network.

No software needed simply plug any Ethernet cable into one of the four 10/100Mb/s Ethernet ports on the device to connect it.

Power consumption is optimised based on the status of the link device with energy detect power down for when the cable is not plugged in and power down/slow oscillator mode when the device is not in use.



Industrial DIN mountable Ethernet Switch Devices (-30°C to +80°C, -22°F to +176°F Temperature range)

Industrial Ethernet Switch 4 Port

SW-504

Screw Terminal Ethernet Switch Devices (0°C to +60°C, +32°F to +140°F Temperature range)

Ethernet Switch 5 Port

SW-005

NEW

Ethernet to Serial



Industrial Ethernet to Serial Devices (-30°C to +80°C, -22°F to +176°F Temperature range)

Ethernet to Serial Adaptor 1 Port RS232/RS422/RS425 ES-511

Ethernet to Serial Adaptor 2 Port RS232/RS422/RS425 ES-522



Slim Shape:
Small foot print for when DIN rail space is a premium
Only 22.6mm wide

Extended Temperature Range:
-30°C to +80°C operating range copes with changing temperatures for harsh environments. Monitor CPU temperature via the web interface.

Wide Range Redundant Dual Power Input:
+5VDC to +30VDC accommodates variation in the +24VDC factory floor and allows alternative power sources. A second power supply can be fitted as a back-up to prevent down time should one power source fail. Monitor power supply via the web interface.



Ethernet to Serial

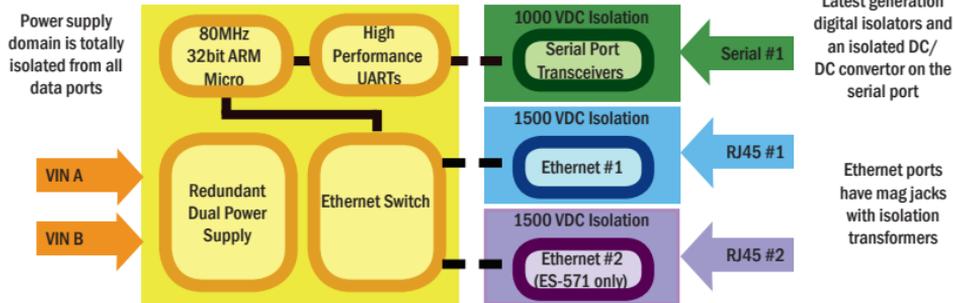


Industrial Ethernet to Serial Devices (-30°C to +80°C, -22°F to +176°F Temperature range)

Ethernet to Serial Adaptor 1 Port RS232/RS422/RS425 ES-551
Galvanic Isolation

Ethernet to Serial Adaptor 1 Port RS232/RS422/RS425 ES-571
Galvanic Isolation with Ethernet Switch

Prevent Electromagnetic Interference Problems with Galvanic Isolation



Galvanically isolated power domains each with a minimum of 1,000 VDC isolation, ensuring data communications and power lines are protected from damaging electromagnetic interference. There is no direct conducting path between the isolated domains. Physically breaking the current path in this way offers the highest grade of protection possible preventing damaging high voltage transient surges that would effect devices downstream. Users and devices are protected from possible differences in ground potentials.

Ethernet to Serial



Send serial data over the network.

Allows communication between a serial enabled device and a computer anywhere on the local network, or anywhere in the world (using the internet).

No network expertise required, simply plug your device into the Brainboxes Ethernet to Serial device, then plug that into your network.

A web interface allows secure configuration and control of the serial ports over a local network or the internet using any browser. Our range has Windows COM ports for legacy applications.

Ethernet to Serial Devices RS232 - 9 Pin D



Ethernet to Serial Adapter 1 Port RS232

**BEST
SELLER**

ES-246



Ethernet to Serial Adapter 2 Port RS232

**BEST
SELLER**

ES-257



Ethernet to Serial Adaptor 4 Port RS232

ES-701

Ethernet to Serial Adaptor 8 Port RS232

ES-279

Ethernet to Serial Devices RS422/485 - 9 Pin D



Ethernet to Serial Adapter 1 Port RS422/485

ES-320



Ethernet to Serial Adapter 2 Port RS422/485

ES-313



Ethernet to Serial Adaptor 4 Port RS422/485

ES-346

Ethernet to Serial Adaptor 8 Port RS422/485

ES-842

Ethernet to Serial

Ethernet to Serial Devices Screw Terminal Blocks



Light Industrial Ethernet to Serial Devices

Ethernet to Serial Adaptor 1 Port RS232

NEW ES-020

Ethernet to Serial Adaptor 1 Port RS232 & 1 Port RS422/485 ES-057

Ethernet to Serial Adaptor 1 Port RS422/485

NEW ES-031

Ethernet to Serial Adaptor 2 Port RS422/485

NEW ES-042

Serial Port Tunneling (individually configurable per port in multi-serial port devices) allows serial cable replacement over any distance, no software required.

You can access the device via TCP/IP sockets from any networked device like an Android tablet, PC or phone. On Windows OS TCP/IP sockets are handled by the Winsock API, this will differ on other OSs.

Speak to our support team about setting up your application:

support@brainboxes.com

USB to Serial



USB is the worlds most popular interconnection standard with over 3 billion devices shipped last year. The plug & play USB experience is one of the reasons USB has stormed the world. In a laboratory or industrial setting many people want the USB connectivity convenience but also want high reliability devices and connections.



USB to Serial Adapter RS232

USB to Serial Adapter 1 Port RS232

BEST SELLER US-101

USB to Serial Adapter 2 Port RS232

BEST SELLER US-257

USB to Serial Adaptor 4 Port RS232

US-701

USB to Serial Adaptor 8 Port RS232

US-279



USB to Serial Adapter RS422/485

USB to Serial Adapter 1 Port RS422/485

BEST SELLER US-324

USB to Serial Adapter 2 Port RS422/485

US-313

USB to Serial Adaptor 4 Port RS422/485

US-346

USB to Serial Adaptor 8 Port RS422/485

US-842

USB to Serial Adaptor 1 Port RS485 to 8 Multi Drop Hub

US-601



Bluetooth to Serial



Bluetooth is a simple instant radio solution that allows different devices to communicate without cable connections. Since Bluetooth devices are radios, they can even communicate through walls and upto distances of 100m.

The BL-819 and BL-830 are Bluetooth to serial adaptors, they require no driver software to be added to the PC or the peripherals and so are ideal instant cable replacements.

Bluetooth Devices



Bluetooth to RS232 Serial Adapter 1 Port Male

**BEST
SELLER**

BL-819

Bluetooth to RS232 Serial Adapter 1 Port Female

**BEST
SELLER**

BL-830

Paired Bluetooth Devices



Pre-paired Bluetooth Adaptor 2 Ports RS232

BL-875

Laptop Express Cards

**Express
CARD**

ExpressCards are the new connect standard for laptops and can be found in the latest laptops. ExpressCard slots come in 34mm and 54mm widths, all of Brainboxes ExpressCards will fit in either slot. Use our ExpressCard spacer in 54mm slots when you require added physical security.

The cards are hot swappable and can be added or removed without having to turn your PC on or off.

The XC range is based on PCI Express technology and offers highest performance with ultimate low latency ensuring absolute application compatibility.

PCIe ExpressCard Serial Adapter



PCIe ExpressCard 1 LPT Printer Port XC-157

PCIe ExpressCard Serial Adapter 1 Port RS232 XC-235

PCIe ExpressCard Serial Adapter 1 Port RS232 and 1 Printer Port LPT XC-475

ExpressCard Serial Adapter

ExpressCard Serial Adapter 1 Port RS232 VX-001

ExpressCard Serial Adapter 2 Port RS232 with detachable cable **BEST SELLER** VX-012

ExpressCard Serial Adapter 1 Port RS422/485 **BEST SELLER** VX-023

ExpressCard Serial Adapter 2 Port RS422/485 with detachable cable VX-034

ExpressCard 54MM SPACER VX-056



PCMCIA



PCMCIA is the classic way of adding serial connectivity to laptops. Increasingly new laptops are coming without PCMCIA slots and using the new ExpressCard slots instead.

The PCMCIA range includes 1 or 2 ports in either RS232 or RS422/485 serial connectivity. As standard most PCMCIA cards have removable cables terminating in a 9 pin D connector. Ruggedised PCMCIA cards have permanently attached cables for increased security.

PCMCIA Devices



PCMCIA 1 Port RS232 with detachable cable

**BEST
SELLER**

PM-020

PCMCIA 1 Port RS232 with ruggedised integrated cable

PM-143

PCMCIA 2 Port RS232 with detachable cable

PM-010

PCMCIA 2 Port RS232 with ruggedised integrated cable

PM-132



PCMCIA 1 Port RS422/485 with detachable cable

PM-120

PCMCIA 1 Port RS422/485 with ruggedised integrated cable

PM-154

PCMCIA 2 Port RS422/485 with detachable cable

PM-121

PCI Express



PCI EXPRESS

PCI Express (PCIe) slots are replacing PCI slots within desktop PCs and servers. PCIe cards have a similar form factor and user experience as the older PCI cards, however they are both faster and require less power and are becoming the card type of choice. Brainboxes PCI Express cards will fit in any PCI Express slot - x1, x4, x8 & x16.

Brainboxes manufacture an extensive range of PCI Express cards with 1 to 8 ports, RS232 or RS422/485, low profile or standard height, and with or without cables.

PCI Express Serial Cards RS232

PCI Express Serial Card 1 Port RS232

**BEST
SELLER**

PX-246

PCI Express Serial Card 1 Port RS232 Low Profile

**BEST
SELLER**

PX-235

PCI Express Serial Card 1 Port + 1 x RS232 Low Profile

PX-101

PCI Express Serial Card 2 Port RS232

PX-257

PCI Express Serial Card 3 Port RS232

PX-431

PCI Express Serial Card 4 Port RS232 Quad Cable 4 x 9 pin

PX-701

PCI Express Serial Card 4 Port RS232 (3x9 pin ports + 1x9 pin port)

PX-420

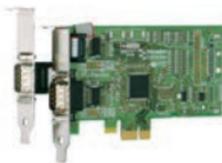
PCI Express Serial Card 4 Port RS232 Low Profile Quad cable 4 x 9 pin

PX-260

PCI Express Serial Card 8 Port RS232 DB9 Octo cable 8 x 9 pin

**BEST
SELLER**

PX-279



PCI Express



PCI Express Serial Cards RS422/485

PCI Express Serial Card 1 Port RS422/485 PX-324

PCI Express Serial Card 1 Port RS422/485 Low Profile PX-320

PCI Express Serial Card 1 Port RS422/485 Opto Isolated PX-387

PCI Express Serial Card 1 Port RS422/485 Low Profile Opto Isolated PX-376

PCI Express Serial Card 2 Port RS422/485 PX-313

PCI Express Serial Card 2 Port RS422/485 Opto Isolated PX-310

PCI Express Serial Card 4 Port RS422/485 Quad cable 4 x 9 pin PX-346

PCI Express Serial Card 4 Port RS422/485 Low Profile Quad cable 4 x 9 pin PX-335

PCI Express Serial Card 4 Port RS422/485 With Opto Isolation Quad cable 4 x 9 pin PX-368



LPT Parallel Printer Port

PCI Express Serial Card 1 Port RS232 with LPT Parallel Printer Port PX-475

PCI Express Serial Card Parallel Port Printer PX-146

PCI Express Serial Card Parallel Port Printer Low Profile PX-157

Powered



Power over serial options available - contact sales@brainboxes.com for more information

uPCI

PCI slots, introduced in the early 1990's, are now being replaced by the new PCI Express slots. Our PCI cards, being compatible with both 5V and 3.3V slots, are universal PCI cards: uPCI.

Brainboxes manufacture an extensive range of PCI cards with 1 to 8 ports, RS232 or RS422/485, low profile or standard height, and with or without cables.

PCI cards are plug & play, fit internally to the PC and give the most secure add on solution for permanent installations.

PCI Serial Card RS422/485

PCI Serial Card 1 Port RS422/485

UC-324

PCI Serial Card 1 Port RS422/485 Low Profile

**BEST
SELLER**

UC-320

PCI Serial Card 1 Port RS232 + 1 Port RS422/485

**BEST
SELLER**

UC-357

PCI Serial Card 2 Port RS422/485

UC-313

PCI Serial Card 2 Port RS422/485 Opto Isolated

**BEST
SELLER**

UC-310

PCI Serial Card 4 Port RS422/485 Quad cable 4 x 9 pin

UC-346

PCI Serial Card 4 Port RS422/485 Opto Isolated Quad cable 4 x 9 pin

UC-368

25 pin D connectors are an available option with all cable adaptors

uPCI

PCI Serial Card RS232

PCI Serial Card 1 Port RS232

**BEST
SELLER**

UC-246

PCI Serial Card 1 Port RS232 Low Profile

**BEST
SELLER**

UC-235

PCI Serial Card 2 Port RS232 Low Profile

UC-101

PCI Serial Card 2 Port RS232 Low Profile on cable

UC-253

PCI Serial Card 2 Port RS232

**BEST
SELLER**

UC-257

PCI Serial Card 3 Port RS232 (3x9 pin ports)

UC-431

PCI Serial Card 4 Port RS232 (3x9 pin ports + 1x9 pin port)

UC-420

PCI Serial Card 4 Port RS232 DB9 Quad cable 4 x 9 pin

UC-701

PCI Serial Card 4 Port RS232 DB9 Low Profile Quad cable 4 x 9 pin

UC-260

PCI Serial Card 4 Port RS232 Opto Isolated Quad cable 4 x 9 pin

UC-083

PCI Serial Card 4 Port RS232 Opto Isolated Low Profile Quad cable
4 x 9 pin

UC-061

PCI Serial Card 8 Port RS232 DB9 Octo cable 8 x 9 pin

**BEST
SELLER**

UC-279



ULTRA



BAUD

Brainboxes CC-525 and CC-530 provide an ultra high speed serial link over RS422/485 connection. These cards provide high reliability for mission critical applications and a high speed serial data connection of 15,000,000 baud (15 MegaBaud) or 18,000,000 baud (18 MegaBaud).

Purchase of Brainboxes PCI Ultra cards is subject to Minimum Order Quantity, please contact us for an advice.

uPCI

PCI Cards with Parallel Printer Ports

Parallel Port Printer PCI Card

**BEST
SELLER**

UC-146

Parallel Port Printer PCI Card Low Profile

**BEST
SELLER**

UC-157

PCI Serial Card 1 Port RS232 with LPT Parallel Printer Port
Low Profile

UC-464

PCI Serial Card 2 Port RS232 with LPT Parallel Printer Port

UC-475

PCI Serial Card 2 Port RS232 with LPT Parallel Port Low Profile

UC-203

PCI Serial Card 4 Port RS232 with LPT Parallel Port for Printer

UC-295

PCI Serial Card 4 Port RS232 with LPT Parallel Port for Printer
Low Profile Quad Cable 4 x 9 pin

UC-263

PCI Serial Card 4 Port RS232 with LPT Parallel Port for Printer
(3x9 pin ports + 1x9 pin port + 1 x 25 pin port)

UC-414

Brainboxes offers a range of powered PoS cards that have +12V and +5V outputs and are jumper selectable with resettable fuse protection. Contact Sales for more information:

sales@brainboxes.com
0151 220 2500

Powered



Custom Design



Haven't found what you are looking for?

Need something slightly different or completely new?

Talk to our experienced team about your custom build needs

Brainboxes are committed to innovation and product design. We are also committed to fulfilling the needs needs of our customers and supporting their vast range of applications.

We are happy to develop the specification of products to suit your needs and support you through the instalation and roll our process so that your project runs smoothly.

As we design, manufacture and support our devices we have a unique insight, authority and ability to provide the world's best products and best customer experience. Brainboxes equip our people to embrace the industry's leading business practices and cutting edge technologies, from chip level to board level, so that you the customer benefits directly. All this unique expertise in one location ensures unparalleled ability to deliver what you demand and deserve.

To discuss your custom design needs:

Phone: +44 (0)151 220 2500

or

e-mail: sales@brainboxes.com

Benefits

As a leading Serial and Bluetooth designer and manufacturer, we actively seek to add value and promote excellence in every aspect of our operations. We are committed to giving you the best product, with the best compatibility and best user experience. We guide you with pre-sales advice, deliver on time and support you through the lifetime of your product.



Support

Warranty Sign up



Our own in-house design and manufacturing gives us exceptional quality and reliability and the confidence to offer our customers lifetime warranty for all serial devices. Simply complete the online form to register.

www.brainboxes.com/lifetime-guarantee



Technical Support



We pride ourselves on offering the industry's best technical support for free to our customers. When you sign up to our life time warranty you gain access to in depth support, covering all products over a wide range of operating systems and applications.

www.brainboxes.com/contact-support



Custom, Roll out and pricing

Let our experienced staff guide you through your tailor made brainboxes package.

www.brainboxes.com/lifetime-guarantee



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