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4TH EDITION

NEW
USB to Serial
Industrial

NEW
USB to Serial
Desktop

NEW
Ethernet
to Serial

PCI Express

ExpressCard

uPCI

Bluetooth

PCMCIA

NEW
Windows®7
Signed drivers
for all ranges

Connect, Configure, Control
Your Serial Devices!

Ethernet to Serial

Our Boost.LAN driver gives you local COM ports, retaining existing software applications on your network and allowing you to connect over larger distances. Our ES range provides a simple, instant cable replacement providing network integration.

Extend your reach, control your serial ports from the edge of your network!

Features common across the range

- Max Baud rate 230,400
- 10/100Base TX Ethernet port
- User friendly software
- Power input 5-30V DC
- Web-page configuration and RFC2217-compliant interface for non-Windows users

- LED status indication
- Autogating for automatic turn around of transmit enable in RS485 half duplex mode - hassle free operation
- Rugged metal enclosure with integrated wall mount
- Optional DIN rail mounting kit

More products coming soon!!

ETHERNET TO SERIAL DEVICES	PORTS	CODE
Ethernet 1xRS232 + 1xRS422/485	2 (1 terminal block)	ES-357
ES-357 Power Supply UK*	N/A	PW-644
Ethernet 1xRS232 (Inc Power Supply)	1 x 9 pin	ES-246
Ethernet 2xRS232 (Inc Power Supply)	2 x 9 pin	ES-257
Ethernet 1xRS422/485 (Inc Power Supply)	1 x 9 pin	ES-320
Ethernet 2xRS422/485 (Inc Power Supply)	2 x 9 pin	ES-313
DIN-Rail Mounting Kit For 1&2 Port ES/US	N/A	MK-048

*Power supplies provided with all Ethernet products apart from ES-357

Industrial USB to Serial

With over a billion devices being shipped every year, USB is a widely accepted PC user interface standard. Stylish enough for the desktop and rugged enough for industry with functionality and performance for even demanding applications.

Being hot plugable and plug & play devices makes USB a very attractive way to add serial connectivity to your PC. Instantly add extra serial ports wherever you need them!

Features common across the range

- Includes 1m USB cable
- High retention USB connector for secure connections
- Max baud rate: 921,600
- Plug & Play
- US-279 includes power supply with secure locking cable
- Fit any USB port
- Fantastic, proven, robust Boost software for excellent application compatibility
- Rugged metal enclosure
- Wall mount and DIN rail mounting options available

USB TO SERIAL	PORTS	CODE
USB TO SERIAL 2xRS232	2 x 9 pin	US-257
USB TO SERIAL 2xRS422/485	2 x 9 pin	US-313
USB TO SERIAL 4xRS232	4 x 9 pin	US-701
USB TO SERIAL 4xRS422/485 (Inc Power Supply)	4 x 9 pin	US-346
USB TO SERIAL 8xRS232 (Inc Power Supply)	8 x 9 pin	US-279
USB TO SERIAL 8xRS422/485 (Inc Power Supply)	8 x 9 pin	US-842
DIN-Rail Mounting Kit For 1&2 Port ES/US	N/A	MK-048
Wall Mounting Kit For 4&8 Port ES/US	N/A	MK-059
Snap In DIN Clip Kit For 4&8 Port ES/US	N/A	MK-070

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Desktop & Lab USB to Serial

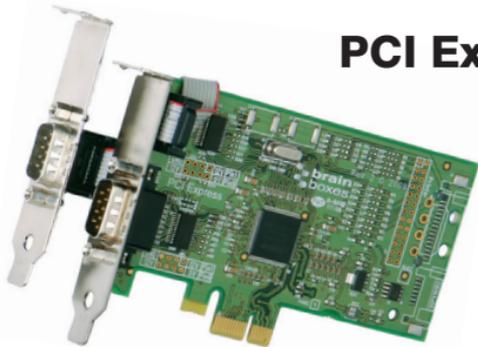With over a billion devices being shipped every year, USB is a widely accepted PC user interface standard.

Being hot plugable and plug & play devices makes USB a very attractive way to add serial connectivity to your PC. Comfortable when held in the hand this thumb size device is positively a winner. Instantly add an extra serial port wherever you go!

Features common across the range
- Includes 0.25m USB cable (Type A plug to Type A Receptical)
- Max Baud rate: 921,600
- Plug & Play
- Powered by USB port - no external power supply required
- Fantastic, proven, robust Boost software for excellent application compatibility
- Fit any USB port
- **Best in class form factor and software**

USB TO SERIAL	PORTS	CODE
USB TO SERIAL 1xRS232	1 x 9 pin	US-101
USB TO SERIAL 1xRS422/485	1 x 9 pin	US-324

PCI Express

The new PCI Express (PCIe) slots are replacing PCI slots within desktop PCs and servers, offering higher throughput and similar form factor and user experience as PCI cards.

Features common across the range

- Max Baud rate: 921,600
- Fits any PCIe slot
- FIFO buffer per port: 128/256 byte (1-4 port cards), 32 byte (8 port cards)
- Plug & Play
- RS422/485 cards - Autogating for automatic turnaround of transmit enable in RS485 half duplex mode - hassle free operation

STD = Standard Height   * = 4 Port cable
LP = Low Profile   * = 4th Serial port on fly cable optional   * = 8 Port cable

PCI EXPRESS SERIAL CARDS	PORTS	STD CODE	LP CODE
NEW PCIe 1xLPT	1 x LPT	PX-146	PX-157
NEW PCIe 1xLPT + 1xRS232 1MBaud	1xLPT + 1x9 pin	PX-475	
PCIe 1xRS232 1MBaud	1 x 9 pin	PX-246	PX-235
PCIe 2xRS232 1MBaud	2 x 9 pin	PX-257	PX-101
PCIe 3xRS232 1MBaud	3 x 9 pin	PX-431	
PCIe 3+1xRS232 1MBaud	4 x 9 pin	PX-420*	
PCIe 4xRS232 1MBaud	4 x 9 pin	PX-701*	PX-260*
PCIe 8xRS232 1MBaud	8 x 9 pin	PX-279*	
PCIe 8xRS232 DB25 1MBaud	8 x 25 pin	PX-275*	
PCIe 1xRS422/485 1MBaud	1 x 9 pin	PX-324	PX-320
NEW PCIe 1xRS422/485 Opto Isolated 1MBaud	1 x 9 pin	PX-387	PX-376
PCIe 2xRS422/485 1MBaud	2 x 9 pin	PX-313	
NEW PCIe 2xRS422/485 Opto Isolated 1MBaud	2 x 9 pin	PX-310	
PCIe 4xRS422/485 1MBaud	4 x 9 pin	PX-346*	

ExpressCards

ExpressCards are smaller and lighter than PCMCIA cards and have advanced power management features making them more battery life efficient. They are hot swappable enabling options to be easily added to a laptop with minimum impact.

Features common across the range

- Max Baud rate: 921,600
- Plug & Play
- Use in tablet, desktop, and laptop
- Fit both 34 & 54 ExpressCard slots
- RS422/485 cards - Autogating for automatic turnaround of transmit enable in RS485 half duplex mode - hassle free operation

EXPRESSCARD SERIAL	PORTS	CODE
Based on USB Technology		
ExpressCard 1xRS232 USB 1MBaud	1 x 9 pin	VX-001
ExpressCard 2xRS232 USB 1MBaud	2 x 9 pin	VX-012
ExpressCard 1xRS422/485 USB 1MBaud	1 x 9 pin	VX-023
ExpressCard 2xRS422/485 USB 1MBaud	2 x 9 pin	VX-034
PCMCIA To ExpressCard Adaptor	n/a	PM-200
NEW ExpressCard 34 To 54cm Adaptor	n/a	VX-056

PCMCIA Cards

Increased performance and falling prices are making laptops and handheld PCs the standard tools for business. Brainboxes proven PCMCIA products provide essential serial connectivity for laptops connecting to a wide range of applications used by field engineers and in test and measurement environments.

Features common across the range

- Max Baud rate: 921,600
- FIFO buffer per port: 128 byte
- Plug & Play
- Use in tablet, laptop and Pocket PCs
- Option of secure or removable cables
- Type II PCMCIA
- RS422/485 cards - Autogating for automatic turnaround of transmit enable in RS485 half duplex mode - hassle free operation

PCMCIA SERIAL CARDS	PORTS	CODE
Removable Cables		
PCMCIA 1xRS232 1MBaud	1 x 9 pin	PM-020
PCMCIA 2xRS232 1MBaud	2 x 9 pin	PM-010
PCMCIA 1xRS422/485 1MBaud	1 x 9 pin	PM-120
PCMCIA 2xRS422/485 1MBaud	2 x 9 pin	PM-121
Secured Cables		
PCMCIA 1xRS232 RUGGED 1MBaud	1 x 9 pin	PM-143
PCMCIA 2xRS232 RUGGED 1MBaud	2 x 9 pin	PM-132
PCMCIA 1xRS422/485 RUGGED 1MBaud	1 x 9 pin	PM-154

RS232 & Powered POS Cards

Universal PCI cards are compatible with both 5V and 3.3V slots.

Features common across the range
- Maximum baud rate: 115,200
- FIFO buffer per port: 128 byte (1-2 port cards), 64 byte (4 port cards), 32 byte (8 port cards)
- Plug & Play

STD = Standard Height   * = Ports on Y cable   * = 4 Port cable
LP = Low Profile   * = 2nd Serial port on fly cable optional   * = 8 Port cable

UNIVERSAL PCI SERIAL CARDS	PORTS	STD CODE	LP CODE
LP uPCI 2xRS232	2 x 9 pin		UC-101
uPCI 1xRS232	1 x 9 pin	UC-246	UC-235
uPCI 1xLPT	1 x LPT	UC-146	UC-157
uPCI 2xRS232	2 x 9 pin	UC-257	UC-253*
uPCI 1+1xRS232+1xLPT	1(+1*)x 9 pin 1xLPT	UC-475	UC-203
uPCI 3xRS232	3 x 9 pin	UC-431	
uPCI 4xRS232	4 x 9 pin*	UC-268	UC-260
uPCI 4xRS232	3+1 x 9 pin	UC-420	
uPCI 4xRS232 DB25	4 x 25 pin*	UC-265	UC-271
uPCI 8xRS232	8 x 9 pin*	UC-279	
uPCI 8xRS232 DB25	8 x 25 pin*	UC-275	
uPCI 2XRS232 **POS** 5A	2 x 9 pin	UP-869	
uPCI 2XRS232 **POS** 1A	2 x 9 pin	UP-880	

RS422/485 uPCI Cards

These cards feature high bandwidth PCI buses and large FIFO's which provides a fast response time for the user. These can run up to 8 times faster than standard RS232 cards.

Features common across the range
- Maximum baud rate: 921,600, 15 or 18 MBaud
- Plug & Play
- Autogating for automatic turnaround of transmit enable in RS485 half duplex mode - hassle free operation

* = 4 Port cable

UNIVERSAL PCI HIGH SPEED SERIAL CARDS	PORTS	CODE
uPCI 2xRS232 1MBaud	2 x 9 pin	UC-302
LP uPCI 1xRS422/485	1 x 9 pin	UC-320
uPCI 1xRS422/485 1MBaud	1 x 9 pin	UC-324
uPCI 2xRS422/485 1MBaud	2 x 9 pin	UC-313
uPCI 1xRS232 + 1xRS422/485 1MBaud	2 x 9 pin	UC-357
uPCI 4xRS422/485 1MBaud	4 x 9 pin	UC-346*
uPCI 2xRS422/485 1MBaud Opto Isolated	2 x 9 pin	UC-310
uPCI 4xRS422/485 1MBaud Opto Isolated	4 x 9 pin	UC-368*
PCI 2xRS422/485 15MBaud	2 x 9 pin	CC-530
PCI 2xRS422/485 18MBaud	2 x 9 pin	CC-525

Bluetooth

Brainboxes has RS232 Bluetooth converters to meet every need. Requiring no software they can be up and running within minutes. Simple and easy to use configuration utilities, for Windows or Linux, changes factory set options. Configure as a pair for true RS232 cable replacement.

*Compact Flash and USB adaptors also available

BLUETOOTH PRODUCTS	UP TO	CODE
Bluetooth Serial Converters		
BLUETOOTH 1xRS232 - Class 1	100m	BL-521
BLUETOOTH 1xRS232 Module - Class 1	100m	BL-730
BLUETOOTH 1xRS232 Male DTE - Class 2	10m	BL-819
BLUETOOTH 1xRS232 Female DCE - Class 2	10m	BL-830
Bluetooth USB & Compact Flash Cards		
BLUETOOTH Compact Flash Card BCSP	100m	BL-565
BLUETOOTH Compact Flash/PCMCIA Card BCSP	100m	BL-752
BLUETOOTH USB Adaptor	10m	BL-554

Accreditations & Benefits

Brainboxes has a reputation of delivering products of the highest quality and ensuring the best user experience.

Accreditations:
- ISO9001:2000
- CE
- FCC, Telec, METL
- ISO14001
- WEEE
- VCCI
- Bluetooth SIG Approved

Benefits:
- Lifetime Product Warranty available on registration of certain products
- Microsoft Signed Drivers
- Lean Manufacturing
- Six Sigma
- Manufactured In-House
- Designed In-House by our own R&D team
- Custom design

For more information please visit individual product pages
www.brainboxes.com

There's so much more to Brainboxes

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