US-235

Ultra 1 Port RS232 USB to Serial Adapter

- 1 Port RS-232 USB to Serial Adapter
- Our smallest form factor USB to Serial
- -40°C to +80°C / -40°F to +176°F Operating Temperature
- High Retention USB connector with 0.5m USB cable
- Lifetime Warranty & Support

IP50 | **+80°C -40°C** | **HIGH RETENTION** | **RS232** | **USB B**

Industrial Specification
IP-50 rated
-40°C to +80°C
-40°F to +176°F

Wall Mounting Option

Includes High Retention USB connector with 0.5m USB Type A to B cable

CE · UK CA · AEO UK Authorised Economic Operator · MADE IN BRITAIN · GLOBAL ACCREDITATIONS · RoHS 2002/95/EC · LIFETIME WARRANTY · LIFETIME SUPPORT · nqa ISO 9001:2015 Registered Quality Management UKAS MANAGEMENT SYSTEMS · nqa ISO 14001:2015 Registered Environment Management UKAS MANAGEMENT SYSTEMS

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IP-50 rated non-conducting case

High retention USB connector for an unshakeable connection

Orange color-coded insulator to differentiate from standard USB connectors

Plug and play with signed drivers

-40˚C to +80˚C/-40˚F to +176˚F temperature range

USB connection requires a minimum withdrawal requirement of 15N

Works across the full spectrum of baud rates up to 921,600 including standard and arbitrary values

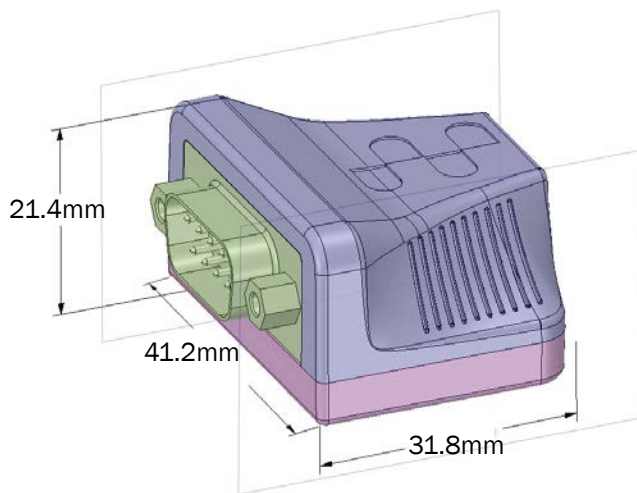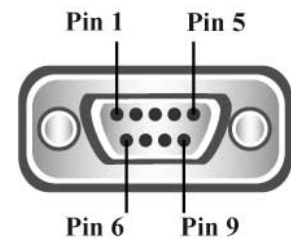| Housing & Connectors	
	IP-50 rated non-conducting polyamide case
	DB9 Connector - 9 Pin Male
	High Retention USB Connector
	Wall mounting screw recess
Power Consumption	50mA @ 5V
Power Supply Input	+5V through USB cable (supplied)
Environmental	
Operating Temperature	-40˚C to +80˚C / -40˚F to +176˚F
Storage Temperature	-40˚C to +80˚C / -40˚F to +176˚F
Port Settings - RS232	
Baud Rate	From 110 - 1 MegaBaud - Any custom Baud rate accepted
Data Bits	5,6,7 or 8
Parity	Odd, Even, None, Mark or Space
Stop Bits	1 or 2
Flow Control	RTS/CTS, XON/XOFF
Tx/Rx Modes	Point to Point

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21.4mm

41.2mm

31.8mm

RS232

RS232 Pinout (9 Pin Male)

Pin 1	DCD
Pin 2	RXD
Pin 3	TXD
Pin 4	DTR
Pin 5	GND
Pin 6	DSR
Pin 7	RTS
Pin 8	CTS
Pin 9	RI

Pin 1   Pin 5

Pin 6   Pin 9

Software

OS Compatibility	Brainboxes' software provides a Serial COM port interface. All software versions and updates available to download from our website.
Microsoft	Windows 8, Windows 8.1, Windows 10 Windows Server 2016 Windows Server 2019

Windows 8 Compatible   Windows 8.1 Compatible   Windows 10 Compatible   Windows Server 2016 Certified   Windows Server 2019 Certified

Lifetime Warranty and Support:
We can help with every aspect of your project, from getting you up and running to custom application.

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Packaging Information	QSG, Device, 0.5m USB Type A to B cable (signed drivers are automatically downloaded by Windows OS)
Product Weight	0.024 kg, 0.85 ounces
Product Dims	41x38x22 mm, 1.6x1.5x0.9 inches
Packaged Weight	0.155 kg, 5.47 ounces
Packaged Dims	160x135x45 mm, 6.3x5.3x1.8 inches
GTIN Universal Code	837324003499
Industry Approvals	Microsoft Certified Gold Partner, WEEE, RoHS, AEO (C-TPAT), CE, UKCA, UL
HTS	8471800000
ECCN	4A994
CAGE	8QCY6
Warranty	Lifetime - online registration required
Support	Lifetime Web, Email & Phone Support from fully qualified, friendly staff who work in and alongside the Product Development Team
Standards	ISO9001, ISO14001
OEM option	Available for bulk buy OEM
Customisable	Brainboxes operate a 'Perfect Fit Custom Design' policy for volume users

USB to Serial Range
USB to Serial adaptors available in a range of formats and specifications

US-101

USB 1 Port RS232 1MBaud

US-235

Ultra 1 Port RS232 USB to Serial Adapter

US-257

2 Port RS232 USB to Serial Adapter

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