

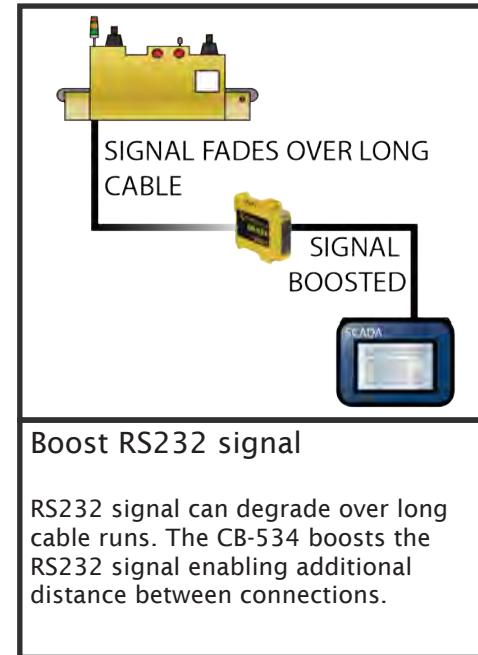
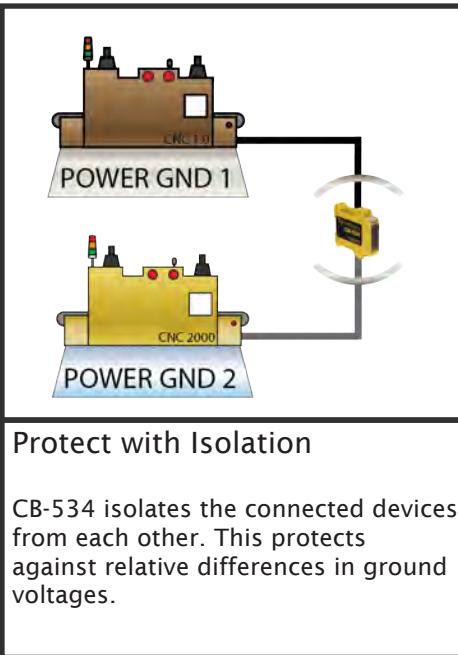
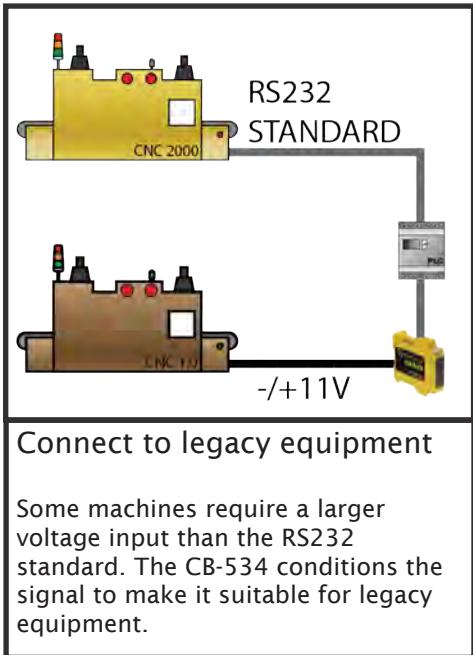
CB-534 Industrial Isolated RS232 Booster

RS232 Booster

- Boosts and isolates RS232 signals
- Max baud rate 120,000
- Works at all data word lengths, parity options and stop bit combinations
- 30°C to +80°C/-22°F to +176°F
Temperature range



	ISOLATION	OUTPUT SWING -11V to +11V	RS232	RS422/485	PROTOCOL CONVERSION	MAX BAUD
CB-512	✓	✗	✓	✓	✓	1 Mb
CB-523	✗	✗	✓	✓	✓	1 Mb
CB-534	✓	✓	✓	✗	✗	120 kb



CB-534

Industrial Isolated RS232 Booster

Integral DIN rail clip with earth

Easy Wire Removable screw terminal blocks

2 Port Serial RS232

IP20 Non-conducting
polyamide case with vents

-30°C to +80°C/-22°F to
+176°F temperature range

LED status indication

Wide Range Input Power: +5VDC to
+30VDC



Booster for RS232 signal can extend cable length. Works with a wide voltage swing and outputs -11V to +11V signal making it suitable for legacy and non-conforming RS232 equipment. Provides isolation between two RS232 devices. This product doesn't require any software, simply connect using the easy-wire numbered terminal blocks.

Connectors

Screw Terminals	3.5mm pitch, #22 - #14, 0.5mm ² -2.5mm ² pin
Conductor Wire	28 to 16 AWG, 0.14mm to 1.5mm Max

Environmental

Operating Temperature	-30°C to +80°C / -22°F to +176°F
Storage Temperature	-40°C to +85°C / -40°F to +185°F
Ambient Relative Humidity	5 to 95% (non-condensing)

Serial Port

Ports	2 RS232
-------	---------

Port Settings

Baud Rate	120,000 max
Output signal swing	Typ. +/- 11V into RS-232 compliant load
Signals supported	TXD, RXD, RTS, CTS

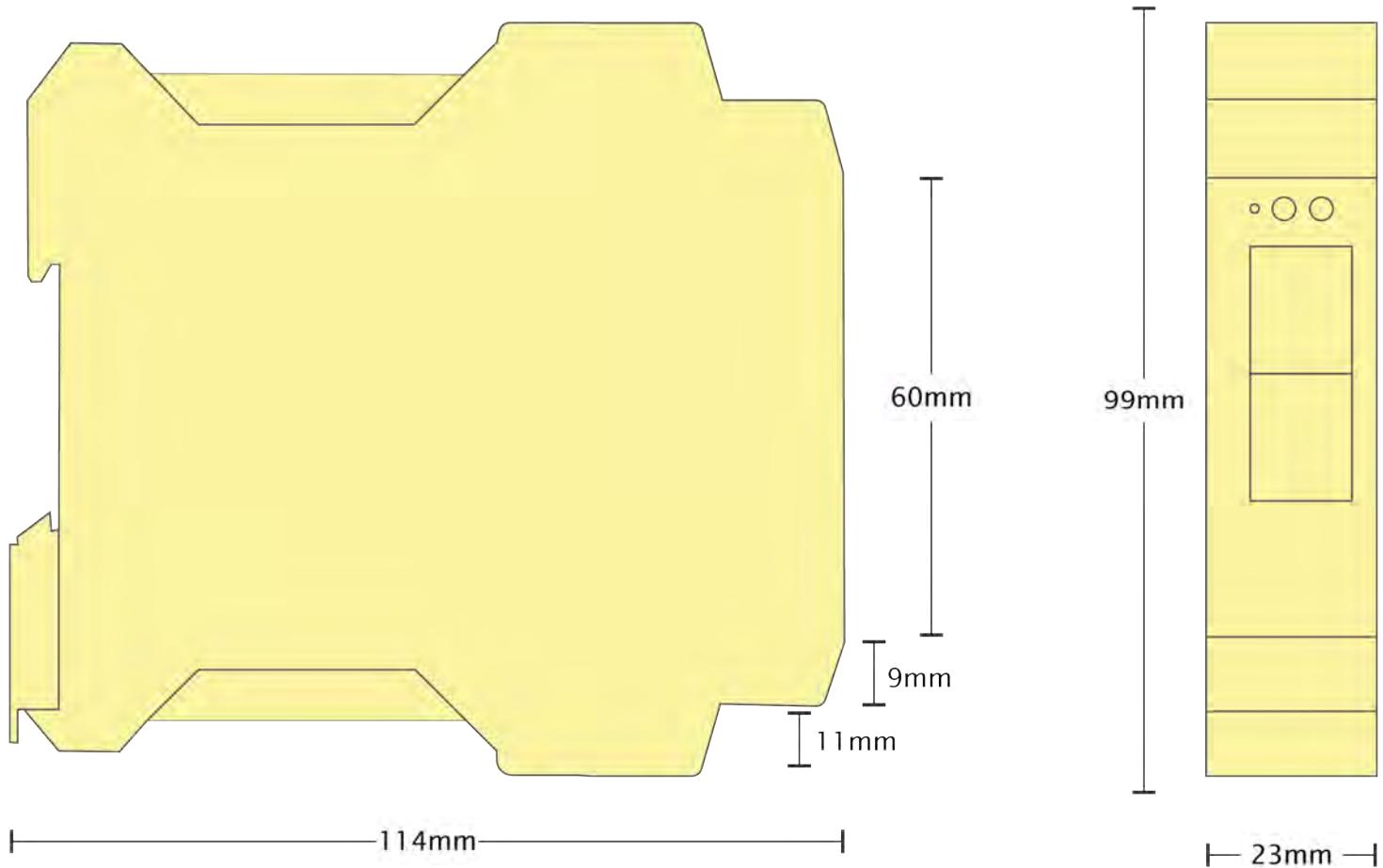
Power Supply

Power Supply input	Redundant DC Dual Power Inputs, reverse polarity protected +5 VDC to +30VDC
Power Consumption	2.5 Watt typical 110mA@24V

CB-534**Industrial Isolated RS232 Booster**

Housing

IP-20 rated non-conducting polyamide case



Terminal Block Pin Outs: Yellow: Port 1 / Grey: Port 2

	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
RS232	SIG GND	CTS	RxD	RTS	TxD
Black: +5V to +30V DC Power Input					
Power	-V	+VA	+VB	-V	Func GND

Lifetime Warranty and Support:

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

CB-534**Industrial Isolated RS232 Booster****Packaging Information**

Packaging	Installation CD including manual, Quick Start Guide, Device
Packaged Weight	0.206 kg, 7.27 ounces
Packaged Dims	160x135x49 mm, 6.3x5.3x1.9 inches
GTIN Universal Code	837324004045

Approvals

Industry Approvals	Microsoft Certified Gold Partner, WEEE, RoHS, AEO (C-TPAT), CE
--------------------	--

Product Support

Warranty	Lifetime - online registration required
Support	Lifetime Web, Email and Phone Support from fully qualified, friendly staff who work in and alongside the Product Development Team

Additional Information

OEM option	Available for bulk buy OEM
Made In	Manufactured in the UK by Brainboxes Winner 2005 European Electronics Industry Awards 'Manufacturer of the Year'
Customisable	Brainboxes operate a 'Perfect Fit Custom Design' policy for volume users. More info: sales@brainboxes.com

**PW-600**

Power supply with connectors for UK, USA, EU and AUS mains socket. 'Tails' are suitable for connecting to screw terminal blocks.

**PW-650**

Power supply with USB connector and prewired screw terminal block. Suitable for use with 5V USB ports.

**ES Range**

Ethernet to Serial products are available in a range of formats and specifications.

www.brainboxes.com