

# ES-246 ETHERNET TO SERIAL DEVICE SERVER

## Ethernet 1xRS232

*CONNECT, CONFIGURE, CONTROL YOUR SERIAL DEVICES*



### Description

Ethernet to Serial device server providing access to one RS232 serial port. Up to 230,400 data transfer rates, coupled with 1Mbit/s line drivers deliver uncompromising performance. Our ES range provides a simple, instant cable replacement providing network integration.

**Windows Users** - 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 products are simple, instant cable replacement providing network integration on Windows 7 and Windows XP. Can install on any COM Port from COM1 to COM255 and remembers your COM Port assignment on reboots.

**Web Interface Users (Linux/Apple OS/Android)** - Alternatively access the device via TCP/IP socket from any networked device. Configure options via web interface.

Extend your reach! Remote serial devices with local control.

With Brainboxes industry renowned Lifetime Warranty\* and Lifetime Support!

### Features

- Max baud rate 230,400
- 10/100Base TX Ethernet port
- User friendly interface, simple to use, powerful in operation
- Web configuration and RFC2217 compliant interface for non-Windows users
- Rugged metal enclosure
- LED status indication
- Optional DIN rail mounting kit
- Power Supply included
- Power input 5-30V DC
- Simple operation for each and every operating system!

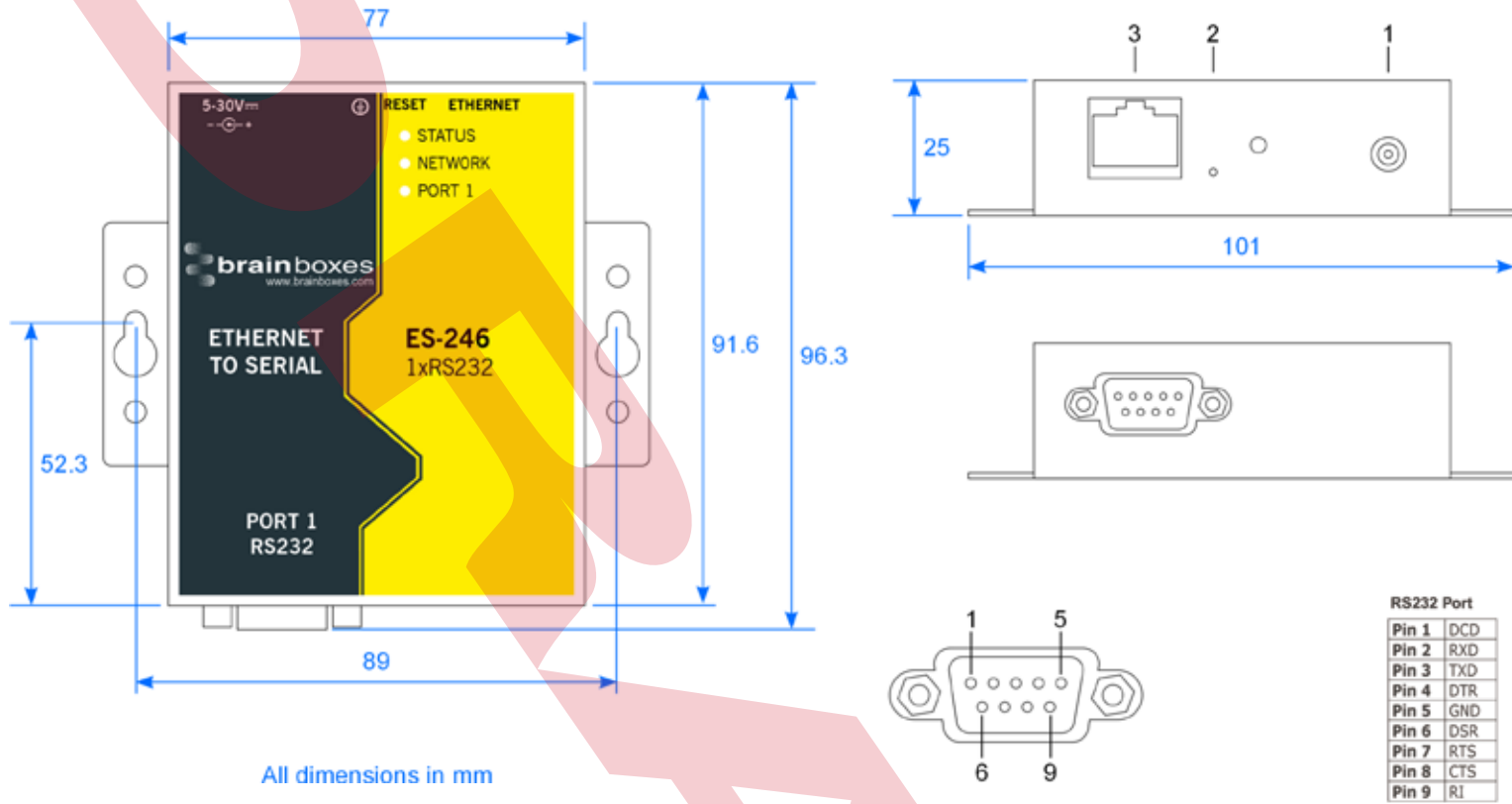
### Example Application



Industrial PC

CNC  
Machine

## Box Information



## Key

- 1 - Power Input
- 2 - Reset button for device
- 3 - Ethernet port - 10/100 Mega bits/second

## Box Dimensions

- Size - 90x62x25 mm (not including mounting ears or connectors)
- Size - 120x80x25 mm (including mounting ears or connectors)

## LED Information

<b>Status LED</b>	Flashing Green	Device Ready
	Flashing Yellow	Changing Settings
	Flashing between Red & Green	Querying IP
	Flashing Green/Red	User performing Hard Reset
	Flashing between Green & Red/Yellow	IP address diagnostic
	Flashing between Green & Yellow	Initialization diagnostic
<b>Serial Port LEDs</b>	Green light on	Port Open
	Flashing Green	Data RX / TX
<b>Ethernet LED</b>	Green light on	Link Established
	Flashing Green	Data RX / TX

## Port

<b>Ports</b>	RS232
<b>Connector</b>	DB9 connector -- 9 Pin Male
<b>Power Input</b>	5 - 30V DC input, reverse polarity protected

## Port Settings - RS232

<b>Baud Rate</b>	230,400
<b>Data Bits</b>	5,6,7 or 8
<b>Parity</b>	Odd, Even, None, Mark or Space
<b>Stop Bits</b>	1 or 2
<b>Flow Control</b>	RTS/CTS, DSR/DTR, XON/XOFF
<b>Tx/Rx Modes</b>	Point to Point

## Port Settings - Ethernet

<b>Data Rate</b>	10/100 Mega bits/second
<b>Cabling</b>	Normal / Crossover auto-sensing (Auto-MDIX)

## Product Information

<b>Power Consumption</b>	awaiting
<b>Product Weight</b>	awaiting Kg

## Environmental

<b>Operating Temperature</b>	0 to 55°C
<b>Storage Temperature</b>	-20 to 85°C
<b>Ambient Relative Humidity</b>	5 to 95% (non-condensing)

## Software

<b>Network Protocols</b>	ICMP, IP, TCP, UDP, DHCP, BOOTP, Telnet, HTTP, RFC2217
<b>Configuration Options</b>	Windows Utility, Web Interface
<b>OS Compatibility</b>	Microsoft Windows 7 / Windows Server 2008 32 bit & 64 bit Editions / Windows Vista 32 bit & 64 bit Editions / Windows Server 2003 32 bit & 64 bit Editions / Windows XP 32 bit & 64 bit Editions / Microsoft Windows 2000 / Fully RFC2217 compliant / Interface for other OS's & Linux
<b>Connection to Network</b>	Ethernet 10BaseT / 100BaseTX

## Approvals

<b>Industry Approvals</b>	WEEERoHS EMC: CE
<b>Microsoft Approvals</b>	Microsoft Certified Gold Partner
<b>Microsoft Signed Drivers</b>	Windows 7 32 bit & 64 bit Editions Windows Server 2008 32 bit & 64 bit editions Windows Vista 32 bit & 64 bit editions Windows Server 2003 32 bit & 64 bit editions



## Packing Information

<b>Packaging</b>	Installation CD including manual, Microsoft signed drivers & utilities
<b>Device</b>	Ethernet 1xRS232
<b>Accessory Items</b>	DIN-Rail Mounting Kit - MK-048 Power Supply (UK) - PW-844 Power Supply (EU) - PW-811
<b>Packaged Weight</b>	awaiting Kg
<b>Packaged Dims</b>	awaiting mm

## Product Support

### Warranty Support

Lifetime - online registration required

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

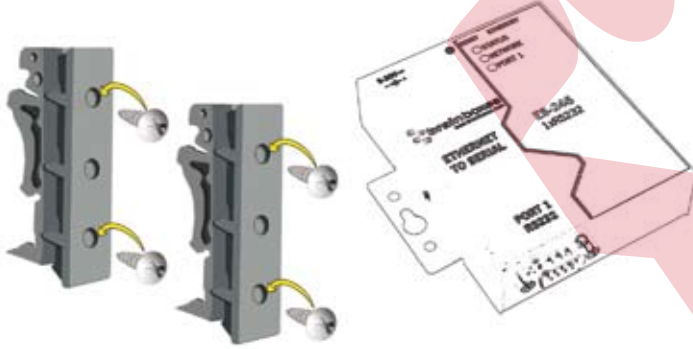
Manufactured in the UK by Brainboxes Winner 2005 European Electronics Industry Awards 'Manufacturer of the Year'

### Customisable

Brainboxes operate a 'Perfect Fit Custom Design' policy for volume users. More info: [sales@brainboxes.com](mailto:sales@brainboxes.com)

## Accessory Items

### ORDER CODE - DIN-Rail Mounting Kit - MK-048



### ORDER CODE - Power Supply (UK) - PW-844 Power Supply (EU) - PW-811

