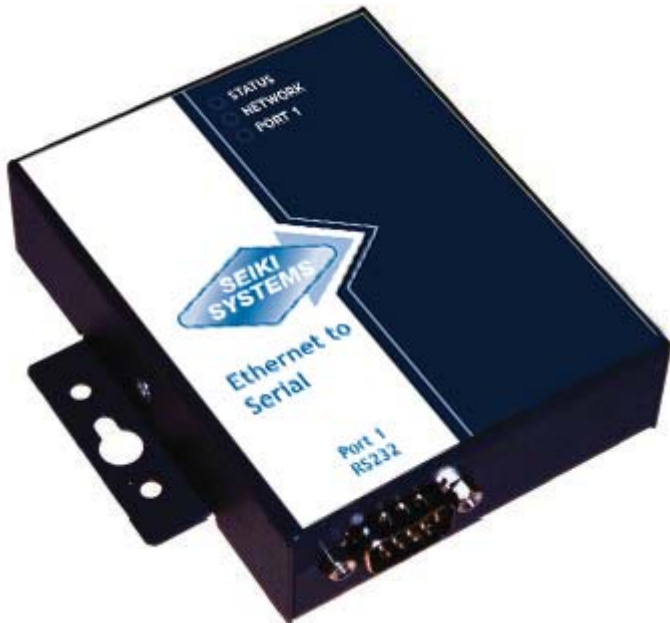


## Ethernet to Serial Device Server

### Ethernet 1 Port RS232



- 1 port RS232
- Max baud rate 1,000,000 1 MegaBaud
- 10/100Base TX Ethernet port
- User friendly interface, simple to use, powerful in operation
- Web configuration and RFC2217 compliant interface for non-Windows users
- IP30 rated enclosure
- LED status indication
- Serial Port Tunnelling (individually configurable) allows serial cable replacement over any distance, no software required
- Power supply included (power input 5-30V DC)
- Simple operation for each and every operating system

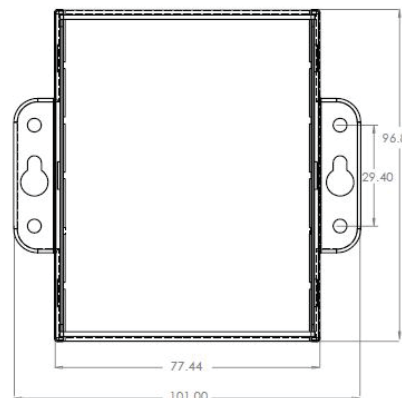
### Description

Ethernet to Serial device server providing access to one RS232 serial port. Data transfer rates up to 1,000,000 baud, coupled with 1Mbit/s line drivers deliver uncompromising performance. Our EH range provides simple instant networked serial ports. A web interface allows secure configuration and control of the serial ports over a local network or the internet using any browser. For Windows, the 32 bit and 64 bit driver gives you local COM ports, retaining existing software applications and allowing you to connect across your network to remote devices just as if they were attached locally. Serial Port Tunnelling individually configurable 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 Winstock API, this will differ on other OSs.

**Windows Users** – The software drivers give you local COM ports, allowing you to retain your existing software applications and connect to your devices over the network. COM Port can be assigned from COM1 to COM255 and the Brainboxes Ethernet to serial device remembers your COM Port assignment on reboots.

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

### Dimensions



**Size:** 97x78x28mm  
(not including mounting ears or connectors)

**Size:** 100x102x27mm  
(including mounting ears or connectors)

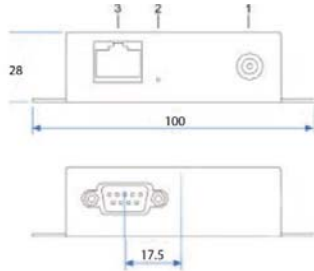
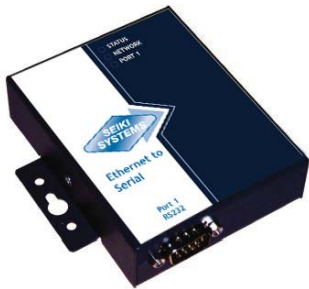
**IP30 rated case**

Your Industry 4.0 Solution

**SeikiSOFTWARE** by **SEIKI SYSTEMS**  
Advanced Manufacturing



## Dimensions



### Key

- 1: Power Input
- 2: Reset button for device
- 3: Ethernet port

Pin	Signal
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

RS232 Pinout (9 Pin Male)

## LED Information

<b>Status LED</b>	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	Initialisation diagnostic
<b>Serial Port LEDs</b>	Green light on	Port open
	Flashing Green	Data RX/TX
<b>Network LEDs</b>	Green light on	Link established
	Flashing Green	Data RX/TX

## Environmental

<b>Operating Temp.</b>	0 to 55°C
<b>Storage Temp.</b>	-20 to 85°C
<b>Ambient Relative Humidity</b>	5 to 95% (non-condensing)
<b>Housing</b>	IP30 rated case

## Software

<b>Network Protocols</b>	ICMP, IP, TCP, UDP, DHCP, BOOTP, Telnet, HTTP, RFC2217
<b>Data Transfer Protocol</b>	TCP
<b>Configuration Options</b>	Windows Utility Web Interface
<b>OS Compatibility</b>	Microsoft Windows 8* Microsoft Windows 7* Windows Server 2008* Fully RFC2217 compliant Interface for other OS's Interface for Linux *32 & 64 bit editions

## Port

<b>Ports</b>	1 port RS232
<b>Connector</b>	DB9 Connector - 9 Pin Male
<b>Power Input</b>	5 - 20V DC input, reverse polarity protected
<b>Power Consumption</b>	0.76W typical

## Port Settings - RS232

<b>Baud Rate</b>	From 110 - 1,000,000 1 MegaBaud
<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-MDMIX)

## Power Supply

Global power supply



01273 666999  
sales@seikisystems.co.uk  
www.seikisystems.co.uk

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