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# ES-020 ETHERNET TO SERIAL DEVICE SERVER Ethernet 1 Port RS232 10xScrew Terminals

### CONNECT, CONFIGURE, CONTROL YOUR SERIAL DEVICES

- 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
- IP-30 rated enclosure
- LED status indication
- Optional DIN rail mounting kit
- Serial Port Tunneling (individually configurable) allows serial cable replacement over any distance, no software required
- Simple operation for each and every operating system!



Ethernet 1 Port RS232 10xScrew Terminals Blocks perfect for industrial applications. Data transfer rates up to 1,000,000 Baud, coupled with 1Mbit/s line drivers deliver uncompromising performance. Our ES 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 our in-house designed 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. You can access the device via TCP/IP sockets from any networked device like an Android tablet, PC or phone. Serial Port Tunneling individually configurable allows serial cable replacement over any distance, no software required. On Windows OS TCP/IP sockets are handled by the Winsock API, this will differ on other OSs. Suitable to be wired into existing power and network infrastructure or can be used with our PW-600 power supply.

**Windows Users** - Our software drivers gives 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) - Alternatively access the device via TCP/IP socket from any networked device. Configure options via web interface.

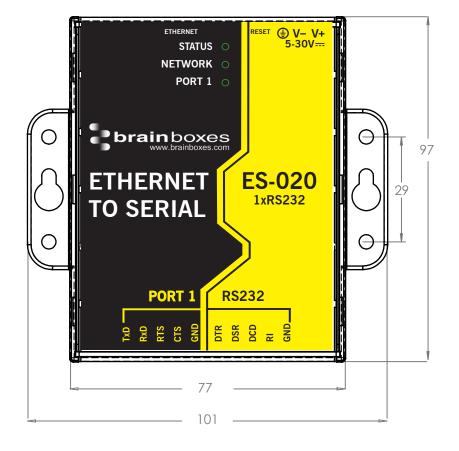
Extend your reach! Remote serial devices with local control. With Brainboxes industry renowned Lifetime Warranty and Lifetime Support!











LED Information		
Status LED	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
Serial Port LEDs	Green light on	Port Open
	Flashing Green	Data RX / TX
Network LED	Green light on	Link Established
	Flashing Green	Data RX / TX
Port		
Ports	1 port RS232	
Connector	Screw terminal block connector - 0.1 inch pitch	
Power Input	5 - 30V DC input, reverse polarity protected	1
Power Consumption	0.76W Typical	

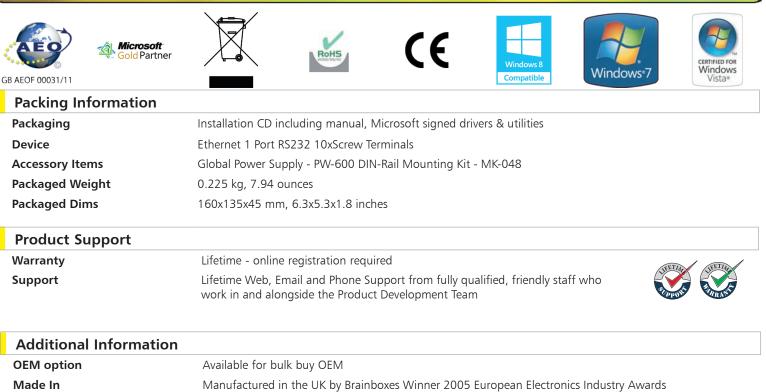
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Port Settings - RS232		
Baud Rate	From 110 - 1,000,000 1 MegaBaud	
Data Bits	5,6,7 or 8	
Parity	Odd, Even, None, Mark or Space	
Stop Bits	1 or 2	
Flow Control	RTS/CTS, DSR/DTR, XON/XOFF	
Tx/Rx Modes	Point to Point	
Standards Available with Screw Terminals Versions • ES-020 : RS232 • ES-357 : RS232 + RS422/485	<b>RS232 Standard:</b> RS232 allows point to point communication between 2 devices.	

Port Settings - Ethernet		
Data Rate	10/100 Mega bits/second	
Cabling	Normal / Crossover auto-sensing (Auto-MDIX)	
Environmental		
<b>Operating Temperature</b>	0 to 55°c	
Storage Temperature	-20 to 85 <sup>°</sup> c	
Ambient Relative Humidity	5 to 95% (non-condensing)	
Housing	IP-30 rated case	
Software		
Network Protocols	ICMP, IP, TCP, DHCP, BOOTP, Telnet, HTTP, RFC2217	
<b>Configuration Options</b>	Windows Utility, Web Interface	
OS Compatibility Connection to Network	Microsoft Windows 10 32 bit & 64 bit Editions / Microsoft Windows 8 32 bit & 64 bit Editions / Microsoft Windows 7 32 bit & 64 bit Editions / Windows Server 2008 32 bit & 64 bit Editions / Windows Vista 32 bit & 64 bit Editions / Windows XP 32 bit & 64 bit Editions / Microsoft Windows 2000 /Fully RFC2217 compliant / Interface for other OS's & Linux	
connection to Network	Ethernet 10BaseT / 100BaseTX	
Approvals		
Industry Approvals	AEO C-TPAT Microsoft Certified Gold Partner WEEE RoHS EMC: CE TAA	
Microsoft Approvals	Microsoft Certified Gold Partner	
Microsoft Signed Drivers	Windows 10 32 bit & 64 bit Editions Windows 8 32 bit & 64 bit Editions Windows 7 32 bit & 64 bit Editions Windows Vista 32 bit & 64 bit Editions Windows XP 32 bit & 64 bit Editions Windows 2000	

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## ES-020 Ethernet 1 Port RS232 10xScrew Terminals



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

### **Accessory Items**

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



**ORDER CODE - Global Power Supply - PW-600** 



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