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ES-420 PoE ETHERNET TO SERIAL DEVICE SERVER Ethernet 1 Port RS422/485 Power Over Ethernet PoE

CONNECT, CONFIGURE, CONTROL YOUR SERIAL DEVICES



Features

- 1 Port RS-422/485 with Power over Ethernet IEEE802.3af
- Ethernet to Serial Device Server
- Data rate from 110 to 1,000,000 baud
- User friendly interface, simple to use, powerful in operation
- Serial Port Tunnelling allows serial cable replacement over any distance, no software required
- Optional DIN rail mounting kit and stand alone power supply

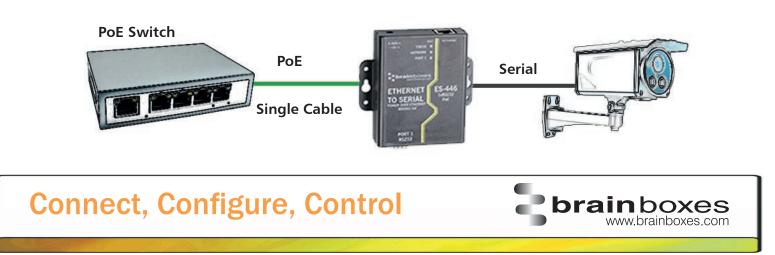


Description

Ethernet to Serial device server with Power over Ethernet providing access to one RS422/485 serial port. Data transfer rates up to 1,000,000 baud, coupled with 1Mbit/s line drivers deliver uncompromising performance. Power over Ethernet PoE uses IEEE 802.3af standard, compatible with any PoE switch.Our ES range provides simple instant networked serial ports. RS485 - 1 twisted pair - half duplex configuration with autogating provides trouble free data transmission due to automatic control of data direction. 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. 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 Winsock API, this will differ on other OSs.

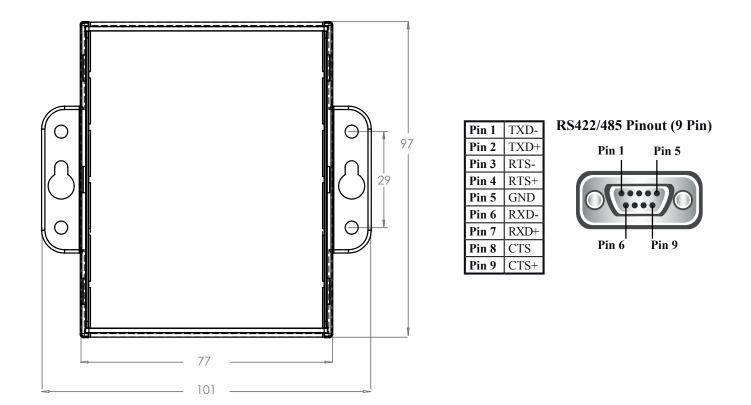
Extend your reach! Remote serial devices with local control. With Brainboxes industry renowned Lifetime Warranty and Lifetime Support!

Example Application



ES-420 Ethernet 1 Port RS422/485 Power Over Ethernet PoE

Box Information



Green Flashing Yellow	Device Ready
	Device Ready
Elashing Vollow	
riasility tellow	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
Green light on	Port Open
Flashing Green	Data RX / TX
Green light on	Link Established
Flashing Green	Data RX / TX
1 port RS422/485	
DB9 Connector - 9 Pin Male	
Power Over Ethernet OR 5 - 30V DC input, reverse polarity protected	
1.74W	
	Flashing between Red & Green Flashing Green/Red Flashing between Green & Red/Yellow Flashing between Green & Yellow Green light on Flashing Green Green light on Flashing Green 1 port RS422/485 DB9 Connector - 9 Pin Male Power Over Ethernet OR 5 - 30V DC input, 1

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Port Settings - RS422/48 Baud Rate	From 110 - 1,000,000 1 MegaBaud	
Data Bits	5,6,7 or 8	
Parity		
Stop Bits	Odd, Even, None, Mark or Space 1 or 2	
Flow Control	RTS/CTS, XON/XOFF	
Tx/Rx Modes	Full Duplex, Half Duplex Autogating - Hardware Autogating	
Port Settings - Ethernet		
Data Rate	10/100 Mega bits/second	
Cabling	Normal / Crossover auto-sensing (Auto-MDIX)	
Power over Ethernet	Power Over Ethernet OR 5 - 30V DC input, reverse polarity protected IEEE 802.3af	
Environmental		
Operating Temperature	0 °C to +60 °C / +32 °F to +140 °F	
Ambient Relative Humidity	5 to 95% (non-condensing)	
Housing	IP-30 rated case	
Software		
Network Protocols	ICMP, IP, TCP, UDP, DHCP, BOOTP, Telnet, HTTP, RFC2217	
Data Transfer Protocol	ТСР	
Configuration Options	Windows Utility, Web Interface	
OS Compatibility	Communicate with Device over TCP from any OS / Microsoft Windows 8 32 bit 64 bit Editions / Windows Server 2012 /Microsoft Windows 7 32 bit 64 bit Editions / Windows Server 2008 32 bit 64 bit Editions / Windows Vista 32 bit 64 bit Editions / Fully RFC2217 compliant / Interface for other OS's & Linux	
Approvals		
ndustry Approvals	AEO C-TPAT Microsoft Certified Gold Partner WEEE RoHS EMC: CE TAA	
Vicrosoft Approvals	Microsoft Certified Gold Partner	
Microsoft Signed Drivers	Windows 8 32 bit 64 bit Editions Windows 7 32 bit 64 bit Editions	













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Packing Information

PackagingQuick Start Guide, Installation CD including manual, Microsoft signed drivers & utilitiesDeviceEthernet 1 Port RS422/485 Power Over Ethernet PoEAccessory ItemsAvailable from Brainboxes : Optional Global Power Supply - PW-800, DIN-Rail Mounting Kit - MK-048Packaged Weight0.234 kg, 8.25 ouncesPackaged Dims160x135x45 mm, 6.3x5.3x1.8 inches

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ES-420 Ethernet 1 Port RS422/485 Power Over Ethernet PoE

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	

Accessory Items

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



ORDER CODE - Optional Global Power Supply - PW-800



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