



Serial to Ethernet Device Server PRO  
1-Port RS232 and RS485  
Model BF-430



#### **What's in the box:**

- BF-430.
- Quick start datasheet (this document).

#### **DB9 pin configuration**

DB9 Connector configuration		
Pin	Signal	Name
1	CD	Carrier Detect
2	RXD	Receive
3	TXD	Transmit
4	DTR	Data Terminal Ready
5	GND	Ground
6	DSR	Data Set Ready
7	RTS	Request To Send
8	CTS	Clear To Send
9	RI	Ring Indicator

#### **Configuring the converter's parameters:**

**Please download software and user manuals for configuring this unit from: [WWW.USCONVERTERS.COM](http://WWW.USCONVERTERS.COM)**

1. Connect the power supply and Ethernet cable.
2. Assign a static IP address to your computer in the 192.168.168.1 to 192.168.168.124 range. Subnet mask 255.255.255.0.
3. The BF-430's default IP address is 192.168.168.125. Open your web browser and enter this IP address to connect to the BF-430.
4. Default user name and password is 'admin'.
5. Use VCOM.exe to setup a serial port (see setup guide for details).

SPECIFICATIONS	
Model number	BF430
Operating system	Virtual COM software downloadable for: Windows 11 32/64-bit, Windows 10 32/64-bit, Windows 8 32/64-bit, Windows 7 32/64-bit, Vista, XP, 2003, 2000, 98, Linux
No. of serial ports	1 RS-232 / RS485 port, male DB9
RS-232 Signals	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND - Parity Check : None, even, odd, Mark, Space - Data bits : 5, 6, 7, 8 - Stop bits : 1, 2 - Flow Control : RTS/CTS, XON/XOFF
RS-485 Signal	Data+ , Data-
Baud rate	1200 bps to 230.4Kbps
LAN port	RS-45, 10/100 Base-T, half/full duplex
Protocol	TCP Server/Client, IP, UDP Server/Client, Telnet, ARP, DHCP, ICMP, PPPoE, HTTP, DDNS
Modbus	No
Telnet	Yes (tested with Putty)
Number of simultaneous connections (clients). This is how many computers that can access the BF430 at the same time.	TCP mode: 4 clients ("Max. TCP Connections" in "Operation Mode" set to 4)
Memory	256 KB ROM and 768KB SDRAM
Watch Dog	Support watch dog, system never halt
CPU	RDC R1610-G, 16 bit, 100MHz
Serial mode	Virtual Com / TCP Server / TCP Client / UDP / Serial Tunnel
Operating Temp.	32°F to 131°F (0°C to 55°C)
Dimensions	67 x 93 x 22 mm
Weight	300g
Approvals	CE, FCC, ROHS
Power	DC 9 - 30V, 300mA Magnetic Protection: Ethernet port 1.5 KV Surge protection: Serial port 15 KV ESD
Warranty	1 year Limited Warranty