



BF-430/431

Serial to TCP/IP Converter

BF-430/ BF-431 is a universal serial device server that enable your industrial serial devices, such as, PLC, flow meters, gas meters, CNC machines, and biometric identification card readers to be monitored from network. Support web management & firmware upgrade. No need to install the driver. PPPoE & DDNS protocol makes the user connect to Internet without static IP. Event alarm trigger supported using e-mail & SMS (Short Message Service) to do the real time management for your system.

BF-430/431 provides simple web connecting to protect the hardware data and insurance the future website expanding. Through simple setting can connect your device series with internet. BF-430/431 could transmit data duplex from serial to Ethernet. You can control all devices simultaneously by using BF-430/431.

Main Features :

- ▶ DHCP Client
- ▶ Full Network Management via Web
- ▶ Backup and Restore configuration
- ▶ Auto-negotiating 10/100Mbps
- ▶ Support PPPoE
- ▶ Serial support TCP Server/ Client, UDP, and extend I/O mode
- ▶ Dynamic DNS

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Specification

Interface	Ethernet: 10/100Base-T, half/full duplex	Power consumption	300mA(9V)
Signal port	RS232/485/422	EMI/EMC Certification	FCC B, CE B
RS232 Signal	TxD, Rx D, RTS, CTS, DTR, DSR, DCD, GND, Baud Rate: 1200bps ~ 230.4kbps	System requirement	Operation temperature 0℃ ~ 65℃ Storage temperature -20℃ ~ 85℃ Operation humidity: 5% ~ 95%
RS485 Signal	2 wire Data +/- (only for BF-430)	Surge protection	Serial port 15 KV ESD
RS422 Signal	4 wire R+/R-/T+/T- (only for BF-430)	Magnetic Protected	Ethernet port 1.5 KV
CPU	16 bit CPU, 100MHz	Connector type	Db9 (Female) / RJ-45
Memory	256K ROM & 768K SDRAM	Reset button	Yes
Watch Dog	System never halts	Weight	165g.
I/O support	No	Dimension	67X 93X 22mm
LED	4, Power/RXD/TXD/ACT		
Power Requirement	DC 9~30V, 300 mA		
Ethernet Setting	Static IP/ DHCP Client/ PPPoE		
Serial Setting	Parity Check : None, even, odd, Mark, Space Data bits : 5, 6, 7, 8 Stop bits : 1, 2 Flow Control : RTS/ CTS, XON/ XOFF		
Support OS	Windows XP, Windows 2000, Windows NT, Windows 95/98 ME, Linux, UNIX		
Protocol	TCP, IP, UDP, Telnet, ARP, DHCP, ICMP, PPPoE, HTTP, DDNS		
Operation Mode	Support TCP/UDP Server/Client mode. User name; password protected for web management Built-in Http server for set up and remote management via any browser easily Support backup; restore system configuration data Support Windows 95/98/ME/NT/2000/XP/2003 virtual COM drivers		

Application

