BF-430, 431, 440, 450, 480 Serial to Ethernet Adapter and Digital I/O Controllers

The family of BF controllers provides 1 to 8 serial ports and digital I/O to Ethernet in an industrial enclosure. The BF controllers are designed for factory and industrial use and use industry standard terminal block for most industrial connections.

The BF controllers provide an Ethernet network connection to remote serial or digital input or digital output devices. The serial devices can use RS232, RS485 or RS422. Each BF controller provides a selection of various serial port configurations. The BF controllers are easy to configure using a simple configuration web page.

The BF450 and BF2300 provide real digital inputs and outputs that can drive real world devices like relays and speaker/horns and panel lights.

A wall supply is included with the BF-430,431, 450.

The BF-XXX has many uses and can be used anywhere a device server is used. This includes applications like fire and security panels, vending machines, point of sale terminals, remote equipment management, IT management, access control, industrial control, home automation, instrumentation and many other applications that require a simple serial device to be networked.

The BF-XXX is designed to support the wall power supply or a screw terminal block for an external power supply (8-30VDC).

www.gridconnect.com

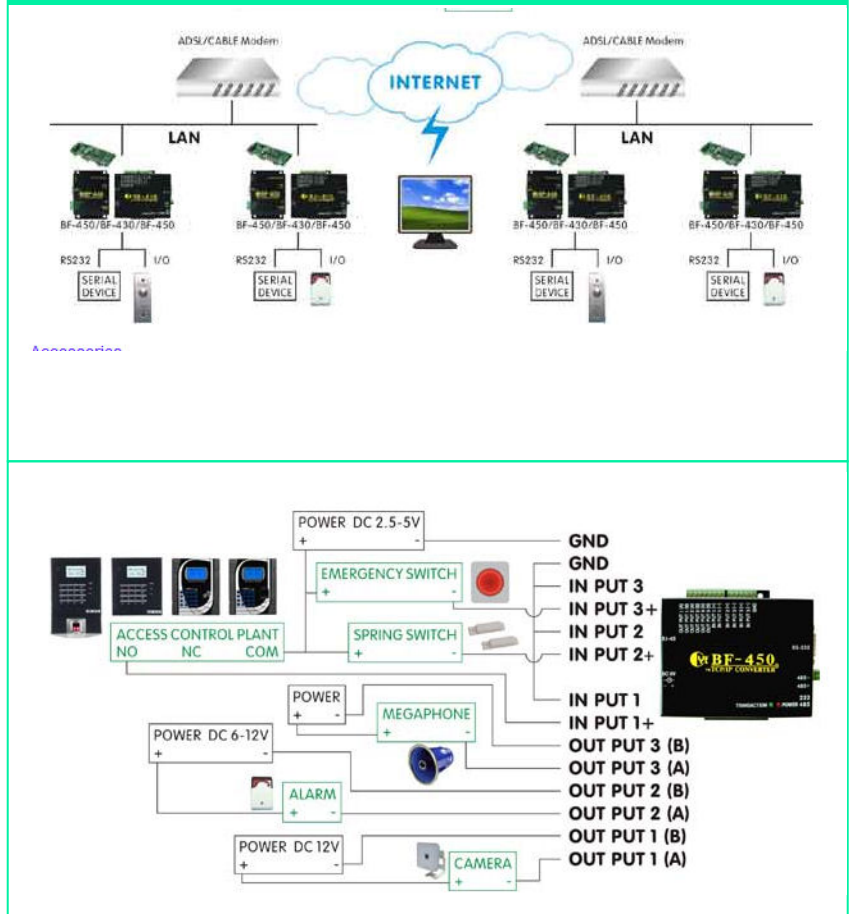# BF430, 431, 440, 450,480

Serial and I/O to Ethernet Adapter

Features

- DHCP Client
- PPPoE Over Ethernet
- Dynamic DNS
- TCP/UDP server/client support
- Backup and Restore configuration
- Full Network Management via Web
- Auto-negotiating 10/ 100M bps Ethernet

SPECIFCATIONS

- CPU: 16 bit CPU, 100MHz
- Memory: 256 KB ROM & 768KB SDRAM
- Connector Type: DB9 (Female)/ RJ-45
- Watchdog: Support watchdog, system will auto-reset if error
- Ethernet: 10/100Base-T, half/full duplex
- Hardware selected RS-232/485/422

- No. of serial Ports: 1, 4 or 8
- RS-232 Signals: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
- RS-485 Signals: Data+/-
- RS-422 Signals: T+, T-, R+, R-
- Baud rate: 1200 bps ~230.4Kbps
- Parity Check: None, even, odd, Mark, Space
- Data bits: 5, 6, 7, 8
- Stop bits: 1, 2
- Flow Control: RTS/CTS, XON/XOFF
- Supported OS: Windows XP, Windows 2000, Windows NT, Windows95/98 ME, Linux, UNIX
- Protocols: TCP, IP, UDP, Telnet, ARP, DHCP, ICMP, PPPoE, HTTP, SNMP, DDNS
- Management: Support TCP/UDP Server/Client mode. Built-in HTTP/Web server for set up and remote management via any browser easily. Support backup & restore system configuration data.
- Power Requirement: DC 9~30V, 300-500m A
- Operation Temperature: 0 ~ 65°
- Operation Humidity: 5 ~ 95%RH
- Storage Temperature: -20 ~ 85°
- Magnetic Protected: Ethernet port 1.5 KV
- Surge protection: Serial port 15 KV ESD
- Dimensions: 67x 93 x 22 mm (430,431)
- Dimensions: 81 x 103 x 30 mm (450)
- Dimensions: 127 x 37 x 110 mm (440, 480)

Example Configurations

Order On-Line at ww.gridconnect.com

Part Numbers:

GC-BF-430	RS232/485 to Ethernet (1 serial port)
GC-BF-431	RS232/422 to Ethernet (1 serial port)
GC-BF-440	RS232/422/485 to Ethernet (4 serial ports)
GC-BF-450	RS232/422/485 with 3 digital inputs / 3 digital outputs (1 serial port)
GC-BF-480	RS232/422/485 to Ethernet (8 serial ports)