

CHIYU TECHNOLOGY CO., LTD

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BF-450M(& BF-430 is a universal serial device server that can make your industrial serial devices, such as, PLCs, flow meters, gas meters, CNC machines, and biometric identification card readers to be monitored from network. Support web management & firmware upgrade. 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.

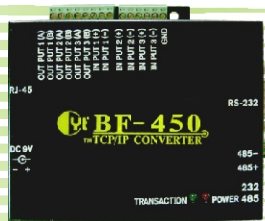
BF-450M(build-in I/O control, user can easy to integrate with other system via this special design.

BF-450(M) & BF-430

RS232 / 485 to TCP / IP Converter Module



BF-430 TCP/IP CONVERTER
(BF-431 for RS-422 CONVERTER)



BF-450 TCP/IP CONVERTER



BF-450M TCP/IP CONVERTER MODULE

APPLICATION

- Factory Automation
- Hospital Automation
- PLC instrument control
- Time Recording System
- Access Control & Security

FEATURES

- DHCP Client
- Dynamic DNS
- PPP Over Ethernet
- TCP/UDP server/client support
- Backup and Restore configuration
- Full Network Management via Web
- Auto-negotiating 10/100Mbps Ethernet
- I/O Controller (BF-450 Only)
- Alarm Generation (BF-450 Only)



SPECIFICATION



BF-450M



BF-450



BF-430(BF-431)

HARDWARE	CPU	16 bit CPU, 100MHz		
	MEMORY	256 KB ROM & 768KB SDRAM		
	WATCH DOG	Support watch Dog, system never halt		
	CONNECTOR TYPE	X	Db9 (Female) / RJ-45	
	I/O SUPPORT	With 3 input & 2 output GPIO	With 3 input & 3 output GPIO	X
INTERFACE	ETHERNET	10 / 100Base-T, half / full duplex		
	SERIAL	TTL	RS-232 / 485 (Hardware selected) ; RS-422 for BF-431	
	NO. of SERIAL PORT	1		
	SIGNALS	RS-232 : TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND		
		RS-485 2 wire : Data +/-		
BAUD RATE	1200 bps ~ 230.4 Kbps			
CONFIGURATION	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		
PROTOCOL		TCP, IP, UDP, Telnet, ARP, DHCP, ICMP, SMTP(only BF-450M & BF-450), PPPoE, HTTP, DDNS		
MANAGEMENT	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 alarm system via SMS (Short Message Service) to mobile phone or e-mail to PC			X
	BF-450(M) support I/O control to integrate with other system			X
POWER & ENVIRONMENT	POWER REQUIREMENT	DC 5V, 200mA	DC 9~30V, 300mA	
	PERATION TEMP	0 ~ 55°C		
	PERATION HUMIDITY	5 ~ 95%RH		
	STORAGE TEMP	-20 ~ 85°C		
	SURGE PROTECTION	X	Serial port 15 KV ESD	
	MAGNETIC PROTECTED	Ethernet port 1.5 KV		
	APPROVAL	FCC B, CE B, (C), FC		
	SIZE	26 * 65 * 7 mm (W * D * H)	81 * 103 * 30 mm (W * D * H)	67 * 93 * 22 mm (W * D * H)



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