BF-2300
TCP/IP 18 DIO Controller

The BF-2300 is an 12 DI/6 DO with TCP/IP based controller integrated with a robust system and network management features designed for industrial equipment to be accessed and controlled via intranet or internet.

By integrating RTOS (real time operating system) and complete TCP/IP protocol stack capability, CHIYU's BF-2300 provides not only a robust and high performance system to make your device monitored or controlled via network, but also ease installation and internet access.

The BF-2300 web configuration is a breeze to operate and totally independent of the operating system platform you use.

FEATURES

DHCP Client.
Dynamic DNS.
Alarm Generation.
IO Remote Control.
PPPoE Over Ethernet.
TCP/UDP Server/client Support.
Backup and Restore Configuration.
Full Network Management Via Web.
Auto-crossover Detecting & Auto-negotiating 10/100Mbps Ethernet.

SPECIFICATION

HARDWARE

CPU: 16 bit CPU, 100 MHz.
Memory: 256 KB ROM & 1 MB SDRAM.
Watch Dog: Support watch Dog, System Never Halt.
Reset Button: Multi-function for System Restart and Factory Default Reset.

INTERFACE

Ethernet:
1 RJ-45 Port: 10/100Base-T, Half/full Duplex, Auto Cross Over,
1.5 KV Magnetic Protected.

Serial:

PORT	INTERFACE	PORT TYPE	SIGNAL	PROTECTION
COM1	RS-232	Screw Terminal	TxD,RxD,RTC,CTS,DTR,DSR,DCD,GND	15KV ESD
COM2	RS-485	Screw Terminal	D+, D-	15KV ESD

I/O:
18 channel I/O: 12 Isolated DI/6 Isolated Relay DO
Isolated Digital Input: Optical Isolation: 2,500 V(DC)
Over-volKeyfobe Protect: 70 V(DC)
Dry Contact

Relay Digital Output: Optical Isolation: 2,500 V(DC)
Contact Rating: AC 120 V @ 0.5 A
DC 30 V @ 1 A
Total Switching Time: 10 msec(on: 7/off: 3)

CONFIGURATION

Ethernet: Static IP/DHCP Client/PPPoE
Serial:
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, Windows 95/98 ME, Linux, UNIX

PROTOCOL

TCP, IP, UDP, Telnet, ARP, DHCP, ICMP、PPPoE、HTTP、DDNS、SMTP

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.
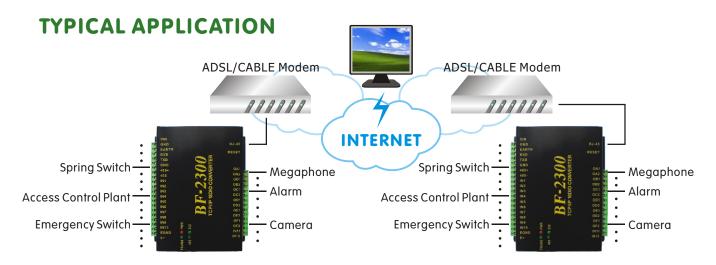Support Backup & Restore System Configuration Data.
Support Windows 95/98/ME/NT/2000/XP/2003 Virtual COM Drivers.

POWER & ENVIRONMENT

Power Requirement: DC 9-30V, 500 mA
Operating Temperature: 0°C ~ 65°C
Storage Temperature: -20°C ~ 85°C
Operating Humidity: 5% ~ 95%
Storage Humidity: 5% ~ 95%
Dimension: 127 X 110 X 37 mm
Weight: 430 g.
Magnetic Protected: Ethernet Port 1.5 KV

TYPICAL APPLICATION

ADSL/CABLE Modem
INTERNET
ADSL/CABLE Modem

Spring Switch
Access Control Plant
Emergency Switch

Megaphone
Alarm
Camera

Spring Switch
Access Control Plant
Emergency Switch

Megaphone
Alarm
Camera

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