



Electronics & Identification

# E10300 18 DIO Controller

## ORDERING INFORMATION

E10300

## SERVICES AVAILABLE

- Technical support
- Application support
- Customization
- Guaranteed warranty

## CONTACT INFORMATION

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E10300 is a 12DI/6IO 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, E10300 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 E10300 Web Configuration is a breeze to operate and totally independent of the operating system platform you see.

## FEATURES:

- DHCP Client
- Dynamic DNS
- PPPoE Over Ethernet
- Backup and Restore Configuration
- Auto-crossover detecting & Auto-negotiating 10/100Mbps Ethernet
- Alarm Generation
- IO Remote Control
- TCP/UDP server/client support
- Full Network Management via Web

## SPECIFICATION:

### HARDWARE

- CPU : 16 bit CPU, 100MHz
- Memory : 256 KB ROM & 1MB SDRAM
- Watch Dog : Support watch Dog, system never halts
- 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	Signals	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



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## I/O

18 channel I/O	12 Isolated DI/6 Isolated Relay DO
Isolated Digital Input	Optical Isolation: 2,500V(DC) Over-voltage Protect: 70V(DC) Dry Contact
Relay Digital Output	Optical Isolation: 2,500V(DC) Contact rating: AC:120V@0.5A DC:30V@1A Total switching time:10msec(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, Windows95/98 ME, Linux, UNIX

## PROTOCOL

TCP, IP, UDP, Telnet, ARP, DHCP, ICMP, SMTP, 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 Windows 95/98/ME/NT/2000/XP/2003 virtual COM drivers

## POWER & ENVIRONMENT

- Power Requirement : DC 9~30V, 500mA
- Operation Temperature : 0~65 deg
- Operation Humidity : 5 ~ 95%RH
- Storage Temperature : -20 ~ 85%
- Size : 127 x 37 x 110 mm
- Magnetic Protected : Ethernet port 1.5KV