

EL-511 Series

EL-511 Series 10/100 Mbps Serial Device Servers

- low cost, credit card size
- Support network cable auto-reverse, straight through, crossover cable can work
- Built-in WDT, to ensure long-term stable and reliable work
- Search by ezConfig or Web browser plug-line parameter configuration
- The standard TCP / IP interface, support for TCP Server, TCP Client, TCP Mixed, UDP, Real COM operation modes
- Real serial port mode (automatically set the serial port parameters)
- Support for DNS, DHCP, multicast, and broadcast applications
- Supports two TCP connections
- Full transparent data transfer, disconnection detection
- Supported gateway, across the wide area network routing information



Overview

EL-511 series device server allows your serial devices instantly networking, software direct access to serial devices in the network. EL-511 series of compact, streamlined design, rugged, user-friendly interface to make your serial networking solutions stable and reliable.

Standard TCP / IP interface and a variety of operating modes

EL-511 series device server using standard TCP / IP interface, provides TCP Server, TCP Client, UDP, Real COM operation modes can be sure to use a standard network API (Winsock, BSD Sockets) with network software Compatibility.

Support existing software Real COM driver

We provide automatically to set the serial port parameters Real COM driver for the COM port of the software is now readily available for TCP / IP network. This feature not only allows your software investment, but also give networked serial devices instantly.

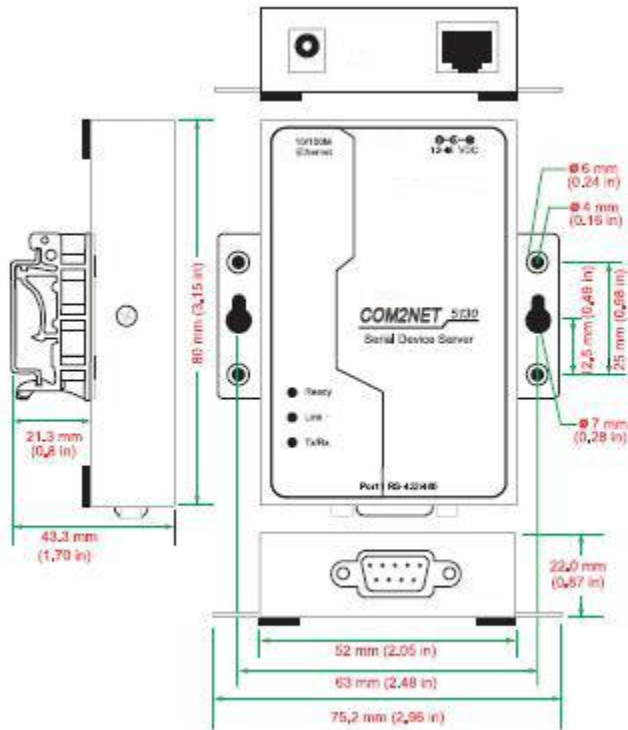
Simple installation and setup

EL-511 Series serial device servers support automatic IP configuration protocols (DHCP, BootP), as well as manual settings through a Web browser. Both provide fast and efficient installation method. With the EL-511 series ezConfig program, just a few simple steps, you can guide the user to configure and activate the required serial networking applications. With this feature, users need to spend an average of only 30 seconds to complete on the EL-511 series of the set, saving a lot of time and effort.

Application

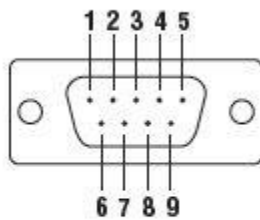
- Access / Security control systems (card readers, biometric identification devices)
- Medical / Healthcare (ECG, ultrasonic detector, blood testing devices)
- Industrial automation (PLC, test equipment)
- Telecommunications room (RTU) control, tank liquid level (CTU) detection
- POS network consumption, LED screen control
- Building automation control systems (HVAC, fire alarms)
- Information appliances (UPS monitoring module)

Dimensions



PIN Assignment

DB9 male connector



EL-511 T/A/S (RS-232/422/485)

PIN	RS-232	RS-422/485-4w	RS-485-2w
1	-	TxD-(A)	Data-(A)
2	RxD	TxD+(B)	Data+(B)
3	TxD	RxD+(B)	-
4	-	RxD-(A)	-
5	GND	GND	GND
6	-	-	-
7	RTS	-	-
8	CTS	-	-

Specs

Ethernet Interface

Number of Ports: 1

Rate: 10/100 Mbps, adaptive MDI / MDIX

Connector: 8-pin RJ45

Magnetic Isolation Protection: Built-in 1.5 KV

Serial Interface

Number of Ports: 1

Serial Standards:

EL-511T: RS-232

EL-511S: RS-485

EL-511A: RS-232/422/485

Connector: DB9 male

Serial Signals

RS-232: TxD, RxD, RTS, CTS, GND

RS-422: Tx +, Tx-, Rx +, Rx-, GND

RS-485 (2 lines): Data +, Data-, GND

Serial Communication Parameters

Parity: None, Even, Odd, Space, Mark

Data bits: 7, 8

Stop bits: 1, 2

Flow Control: RTS / CTS

Baud rate: 300 bps ~ 4,500 Kbps (4.5 Mbps) (supports non-standard baud rate)

Software

Network Protocol: ICMP, ARP, IP, TCP, UDP, DHCP, HTTP, DNS, SNMP V1/V2c

Configuration Options: Web browsers or search tools ezConfig

Mode: TCP Server, TCP Client, TCP Mixed, UDP, Real COM mode

Windows Real COM driver: Windows 95/98/ME/NT/2000, Windows XP

Physical Characteristics

Housing: Metal

Weight: 340 g

Dimensions:

Without ears: 52 x 80 x 22 mm (2.05 x 3.15 x 0.87 in)

With ears: 75.2 x 80 x 22 mm (2.96 x 3.15 x 0.87 in)

Environmental Limits

Operating temperature: -40 ~ 85 °C

Storage Temperature: -65 ~ 150 °C

Ambient Relative Humidity: 5 to 95% (non-condensing)

Power Requirements

Input voltage: 5 ~ 22 VDC

Power:

EL-511T: 82.5 mA @ 12 V

EL-511S: 89.1 mA @ 12 V

EL-511A: 92.4 mA @ 12 V

Reliability

Automatic Reboot Trigger: Built-in WDT (watchdog timer)

Warranty

Warranty Period: 5 years