

Industrial 4 Port Device Server, Model SC10E4IG-L Series



SC10E4IG-L Series Device servers can conveniently and transparently connect up to four Serial ports to an Ethernet network. Data transmission between the Serial and Ethernet interfaces is bi-directional. You can both centralize the management of your Serial devices, and distribute management hosts over the network. Each Serial port can operate independently to provide maximum versatility. For example, port 1 can operate in Driver mode, port 2 in TCP Server mode, and ports 3 and 4 in TCP Client mode etc

HIGHLIGHTS

- Data access modes include TCP Server, TCP Client, UDP, Virtual COM.
- Dual 10/100 Ethernet for redundancy with full duplex auto negotiation
- Dual Ethernet ports support 2 IP / 2 MAC / Dual Subnet or Switch mode and Redundant mode.
- Support web-based configuration, Telnet and Console CLI.
- LCD Display has four Keys for configuration and selecting the operation mode.
- Built-in 15 KV ESD protection for all Serial Signals
- Redundancy Dual DC power
- Password protection on Web page and Keypad
- Alarm Relay

SPECIFICATIONS

Ethernet port

- Number of Ports : 2*RJ45
- Fiber : 1*SFP (Optional)
- Type : 10/100 Base-T OR 10/100/1000 Base T, 100 Base-FX
- Isolation : 1.5KV
- TCP Server : Up to 4 connections
- TCP Client : Up to 4 Destinations
- UDP : Up to 4 Destinations

Operating Modes

Redundant Mode: The system will use only one port for data transfer. If the port is disconnected, the whole system will change to another port automatically

Dual Subnet Mode : 2 Different IP's, Different Class can communicate with our Device Server

Serial interface

- Number of ports : 4
- Serial standards : RS422/RS485, DIP selectable
- Connectors : 5 Pin Terminal Blocks, 3.81mm
- Port Isolation : 2.5KV

Serial Line Protection

- 15KV (Level 4) ESD on all signals ESD protection
- Lightning protection LEVEL 3
- 2KV (Level 3) EFT protection
- 2KV (Level 3) surge protection

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Connecting. Converting. Leading !

Serial Communication Parameters

- Operation Mode : RS422 / RS485, DIP Switch selectable.
- Baud Rate : 300 bps to 115.2 Kbps
- Data Bits : 5, 6, 7, 8
- Parity : Odd, Even, None, mark, space
- Stop Bits : 1, 2
- Flow Control : XON/XOFF, None

Serial signals

- RS-485 (4-wire) Tx+, Tx-, Rx+, Rx-, GND / RS-422 Tx+, Tx-, Rx+, Rx-, GND
- RS-485 (2-wire) Data+, Data-, GND

LCD : 2 Line, 22 characters, 4 Keys

Protocols : TCP, IP, UDP, ARP, ICMP, HTTP, DHCP client, Telnet, SNMP, DNS, VLAN, QinQ, SMTP, SNTF

Operating System : Win7, Win8, Win2008 Server, Win2012 Server, Linux 3.10

Configuration : Web Browser / Windows based Utility : Device Manager

Diagnostic : Serial Statistics, Syslog

LED indicators

- PWR, SYS, ACT, TX1~4, RX1~4

Other

- MTBF : 188251 hours / 21.5 years
- Watch Dog Timer : 20 sec Software Auto Reset
- Relay warning output, 1 channel Relay output:1A, 24VDC for Eth1 Link Down, Eth2 Link Down, Power 1 down, Power 2 down

Environmental

- Storage Temperature : -40 to 85°C
- Operating Temperature : -10 to 60°C
- Operating Humidity : 5% to 95% Non-condensing

Power

- Redundant Input Power Dual DC inputs : 12-48VDC, 2 Terminal blocks of 3 pin
- Power consumption : 5 Watts
- Overload current protection : Present
- Reverse polarity protection : Present on terminal block

Physical Characteristic

- Enclosure : IP-30
- Mounting : DIN rail
- Dimension (W x D x H) : 210(W) x 40.5(D) x 143(H) mm
- Weight (g) : 600gms max

Model Codification : SC10E4IG L

Base Model SC10E4IG L : Isolated 4 Port RS485/422 Gateway with LCD
S : 100FX SFP (Optional)
G : Giga Ethernet Port (Optional. Instead of 10/100 TX Ports)