

48 Port Serial Device Server : SC10E48G



The SC10E48G Serial device servers can connect 48-port serial devices to an Ethernet network, It supports RS232 serial standards, It can be widely applied in different fields for such as PLCs, sensors and control console. These device servers are ultra-lean, ruggedized, and user friendly, making simple and reliable serial to Ethernet solutions possible.

Features/Benefits

- ✓ Web-based configuration
- ✓ Standard 19-inch Rackmount size
- ✓ Auto-detecting 10/100Mbps Ethernet
- ✓ Built-in 15 KV ESD protection for all serial signals
- ✓ Support TCP server/ TCP client/UDP/Virtual COM Socket modes
- ✓ Wide input voltage range
- ✓ Optional Support : 2 of 1000M SFP Fiber port

Specifications

CPU	: 32-bit Up to 400MHz ARM Thumb Processor with MMU
Flash	: 2GB NAND Flash
RAM	: 64M Bytes DDRII Synchronous DRAM
Watchdog	: Hardware built-in

Ethernet Interface

Number of Ports	: 2
Speed	: 10/100/1000 Mbps, Auto MDI/MDIX
Modes	: Redundant and Dual Subnet Modes. : Separate MAC, Separate IP, Separate Class
Connector	: 8-pin RJ45
Magnetic Isolation Protection	: 1.5 KV built-in. EN 61000-4-5 (Surge) Level 2

TCP Server	: Up to 4 connections
TCP Client	: Up to 4 Destinations
UDP	: Up to 4 destinations

Modes : Redundant / Dual Subnet

Dual Subnet Mode : Subnet is a logically visible subdivision of an IP network. The LAN 1 and LAN2 can be assigned to different subnets. This feature gives the user flexible network manageability. Separate IP's. Different Class

Redundancy Mode : A goal of redundant topologies is to eliminate network downtime caused by a single point of failure. The LAN1 and LAN2 can be assigned to the same IP network. It will enable the network to recover rapidly from failure and fault, so that the failures and faults will be bypassed.

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Software

Network Protocols : ICMP, IP, TCP, UDP, HTTP, ARP
Operation Modes : TCP Server, TCP Client, UDP
Configuration Options : Built-in WEB server, Serial Console,
Windows Virtual COM Drivers: Windows 2000/XP/2003/Vista/2008/7
Linux Virtual TTY Drivers: Linux kernel 2.6.x

Serial Interface

Number of Ports : 48
Serial Standards : RS232 Only
Connector : RJ45

Serial Communication Parameters

Data Bits : 5, 6, 7, 8
Stop Bits : 1, 2
Parity : None, Even, Odd, Space, Mark
Flow Control : None, RTS/CTS (RS-232 only)
Baudrate : 300 bps to 115.2 Kbps

Serial Signals

RS232 : TX, RX, RTS, CTS, GND

Console Port : RS232
LCD : Not supported at the moment
Diagnostic : Serial Statistics

Alarms & Alerts

Alarm Relay : 2 no's. 24V, 2 Amp for Link, Power, Fault. Programmable
Alerts : SNMP. SMTP, Relay for IP Change, LAN1, LAN2 down,
Power Supply 1, Power Supply 2 fail

OPTIONAL

Optical Fiber : Number of Ports : 2, 1000M SFP slot

Physical Characteristics

Housing : Metal
Weight : 3.4kg
Dimensions : 430 x 200 x 78mm

Environmental Limits

Operating Temperature : 0 to 50°C
Storage Temperature : -40 to 85°C
Relative Humidity : 5 to 95% (non-condensing)

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Power Requirements

Input Voltage : 230VAC / 48V DC, Redundant. AC / DC mix is also possible
Power Consumption : <15 watts

Others

Heat Load : 45BTU/Hr
MTBF : 58400 hrs

Ordering Information : SC10E48G XXR N

SC10E48G : Base Model
XXR : AA for both AC, DD for both DC supplies, AD for AC & DC combination.
: R for Redundant
S : S for SM SFP port. MM presently not supported

Compliance to Approvals

EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN61000-4-11
EN 61000-3-2, EN61000-3-3, EN55022, EN55024