

## 32 Port Serial Device Server : SC10E32G



The SC10E032G Serial device server can connect 32 Serial devices to an Ethernet network, It supports RS232 / RS485 / RS422 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 is also supported

#### 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.

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### Software

Network Protocols : TCP, IP, UDP, ARP, ICMP, HTTP, DHCP client, NTP, DNS, SNMPV1/V2, SMTP, HTTP, Telnet  
Operation Modes : TCP Server, TCP Client, UDP, Virtual Com  
Configuration Options : Built-in WEB server, Serial Console, Telnet  
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 : 32  
Serial Standards : RS232/RS485/RS422  
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 (RS232 Only)  
Baud rate : 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 : 3.1 kg  
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)

### Power Requirements

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

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#### Others

Heat Load : 45BTU/Hr  
MTBF : 58400 hrs

#### Ordering Information : SC10E32G XXR S

SC10E32G : Base Model  
XXR : AA for both AC, DD for both DC supplies, AD for AC & DC combination.  
          : R for Redundant  
S : S for Singlemode SFP. 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