16 Port Secured Serial Device Server, Model SC10E16A S Series

HIGHLIGHTS

- 16-port Ethernet Secured Serial server
- Each port can be independently configured
- Software selectable RS-232/422/485 for each port or Isolated RS232 OR RS485/422 ports
- Dual 10/100Mbps Ethernet for networking redundancy
- Support TCP Server/Client UDP and Virtual Com multi-link mode
- Configuration via Serial Console, Telnet, Web Server or Windows-based utilities
- Relay out indicator for Network link-status
- LCM indication with 4 key pad setting

The Multi-port Industrial Serial Server SC10E16A Series is a gateway between Ethernet (TCP/IP) and RS232/422/485 communications. It allows almost any serial device to a LAN network by encapsulating serial data and transporting it over Ethernet. SC10E16A offers full-duplex, bi-directional data transmission transparent between Serial port and Ethernet network. SC10E16A S Series supports OpenVPN and IPsec, which allows you to securely communicate through the internet.

Flexible configuration options enable this unit to be setup by Telnet, Web browser, Serial Console or Windows utilities. Packed in a rugged metal housing with 19-inch rack mount and 100~240VAC wide power input range, SC10E16A is ideal for almost any industrial and manufacturing automation.

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.

TECHNICAL SPECIFICATIONS

Ethernet
Compliance   : IEEE802.3 and IEEE802.3u
Ports   : 2-port
Transmission Rate   : 10/100Mbps Auto-detection, Auto MDI/MDI-X
Connector   : RJ45
Isolation   : 1.5KV Magnetic Isolation
MAC chips   : 2 Separate MAC chips
Mode   : Redundancy mode & Dual Sub net mode

San Telequip (P) Ltd.,
504 505 Deron Heights,
Baner Road, Pune 411 045, India
Phone : +91-20-27293455, 9764027070, 8390069393
email : info@santelequip.com   .

SAN TELEQUIP
Connecting. Converting. Leading!

Link Mode

TCP Server   : Up to 4 connections or Virtual Com mode
TCP Client   : Up to 2 destinations
UDP   : Up to 4 destinations
Supports Serial Serial Mode

Serial

Interface   : RS232/422/485 for Non Isolated
                    : RS485/422 for Isolated versions
                    : Software selectable
Ports   : 16-port
Baud Rate   : 110bps~921Kbps
Parity   : None, Odd, Even, Mark, Space
Data Bits   : 5, 6, 7, 8
Stop Bits   : 1, 2
Flow Control   : None, Software: Xon/Xoff, Hardware: RTS/CTS
Connector   : RJ45
Isolation   : 2.5 KV Galvanic : In RS485/422 Isolated model only.

Software

Configuration   : Web Page / Telnet / Serial console / Windows utility / LCM
Virtual Com   : Windows & Linux port redirection software
Protocol   : TCP/IP, UDP, ARP, ICMP, DHCP client, NTP, DNS, SNMP v1, v2, v3
                      SMTP, HTTP, HTTPS, SMP/TLS, Telnet, RFC2217, RSTP,
                      VPN-OpenVPN, IPSec, PPTP
Driver Support   : Windows 2008, 2007, 98/200/NT/XP/2003/Vista, Windows server 2012
                      R2 & Windows Serer 2016 OS driver Support

Power

Input   : AC 100 to 260V
                    : 24V to 48V DC options are also available
Connectors   : 3 Pin Terminal block for DC & AC Inlet of AC Inputs
Consumption   : Max. 21W
Reverse Polarity Protection   : Yes. For DC Version

Console Port   : RS232, DB9 : 1 no's
Alerts   : SMTP, SNMP, Relay
Diagnostics   : Link Status, Syslog, Data Log
LCD with Keypad
Reset Button

Protection

ESD   : +/- 8 KV, +/- 15 KV
EFT/Burst   : Power line   : AC : +/- 4 KV, DC : +/- 4 KV, Data lines : +/- 2 KV
Surge Protection   : Signal Port   : L to E : 2KV.
                    : Power Line
                    : DC   : L to L : +/-1 KV. L to E : +/- 2KV
                    : AC   : L to E : +/-4 KV. L to L : +/- 2 KV

San Telequip (P) Ltd.,
504 505 Deron Heights,
Baner Road, Pune 411 045, India
Phone : +91-20-27293455, 9764027070, 8390069393
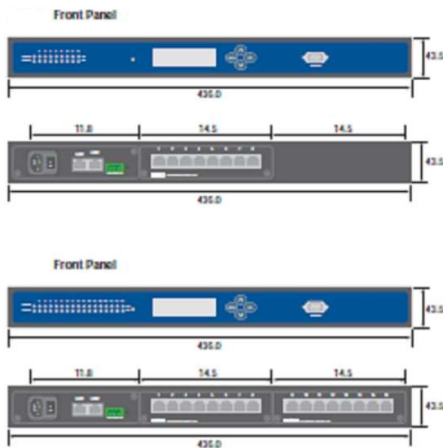email : info@santelequip.com   .

SAN TELEQUIP
Connecting. Converting. Leading!

Environment
Operating Temp   : -20°C to 70°C
Storage Temp   : -40º to 85ºC
Relative Humidity   : 5 to 95% Rh non condensing
Heat Load   : 34.12 BTU/hr

Physical Characteristics
Ingress Protection   : IP30
W x H x D   : 436mm x 43.5mm x 200mm
Weight   : 3.2 Kg
Mounting   : Standard 19-inch Rack-mount 1U metal housing
                     : Desktop

ORDERING CODE : SC10E16A S BB C YY

SC10E : Product Series
16   : 16 for 16 Port
A   : Fixed
S   : Secured Server
BB   : NI for Non Isolated. I for Isolated
C   : U for RS232/RS485/RS422 (Only in NI-Non Isolated Models)
        : V for RS485/422 (Only in I-Isolated Model)
YY   : AC for 230V AC Input & DC for 24 to 48 DC Input

e.g.
SC10E16A S I V DC   : 2 LAN, 16-port Isolated RS485/422 (RJ45) Secured Serial
                             server, 48V DC operated