

8 and 16 Port Secured ModbusTCP Terminal Server, Model SC10EXXAM S Series

HIGHLIGHTS



- 8/16-port Secured ModbusTCP Terminal Server
- Each port can be independently configured
- Software selectable RS232/422/485 for each port or Isolated RS232 OR RS485/422 ports
- Dual 10/100Mbps Ethernet for networking redundancy
- Support TCP Server/Client UDP, Virtual Com multi-link mode and Modbus RTU/TCP
- 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 SC10EXXAM series is a gateway between Modbus ASCII/RTU to ModbusTCP Communications. It allows almost any Modbus RTU device to a LAN network by encapsulating serial data and transporting it over Ethernet. SC10EXXAM S Series offers full-duplex, bi-directional data transmission between Serial port and Ethernet network. SC10EXXAM 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 other Windows utilities. Packed in a rugged metal housing with 19-inch Rack mount and AC / DC power input, SC10EXXAM 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

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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 : 8 / 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 : In RS232 Only & RS485/422 only models.

Software

Configuration : Web Page / Telnet / Serial console / Windows utility / LCM
Virtual Com : Windows & Linux port redirection software
Support Protocol : TCP/IP, UDP, ARP, ICMP, DHCP client, NTP, DNS, SNMP v1, v2, v3
SMTP, HTTP, HTTPS, SMP/TLS, Telnet, RFC2217, RSTP, Modbus
ASCII/RTU, Modbus TCP, 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

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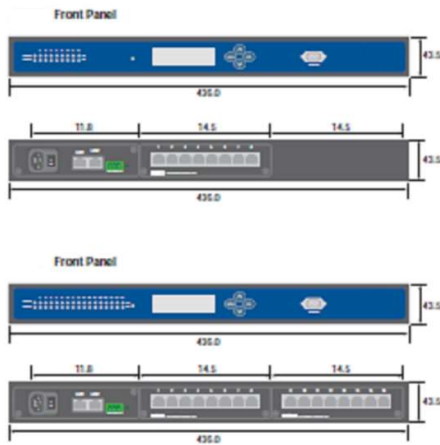
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Environment

Operating Temp : -20°C to 70°C
Storage Temp : -40° to 85°C
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 : SC10EXXAM S BB C YY

SC10E: Product Series

XX : 08 for 8 Port, 16 for 16 Port
A : Fixed
M : Modbus Serial & ModbusTCP Function
S : Secured Server
BB : NI for Non Isolated. I for Isolated
C : U for RS232/485/RS422 (Only in NI-Non Isolated Model)
: V for RS485/422 (Only in I-Isolated Model)
YY : AC for 230V AC Input & DC for 24 or 48 for DC Inputs

e.g

SC10E08AM S NI U AC : 2 LAN, 8-port software selectable RS232/422/485 (RJ45)
Secured Terminal server, 230V AC operated supporting
Modbus Conversion

SC10E16AM S I V DC : 2 LAN 16-port Isolated RS422/485 (RJ45) Secured Terminal
Server, 48V DC operated supporting Modbus Conversion