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Connecting. Converting. Leading !

Dual port 485/422 to Ethernet Converter, SC10EK2 485 MT



SAN offers a full line of Serial to Ethernet converters, allowing access of Serial (remote) devices like Access Controllers, Fire Alarm panels, Industrial Automation products etc to be connected on LAN or to allow Ethernet connectivity to your legacy Serial device. Run Serial port long distance over LAN network or with Virtual COM port utility connect Protocol Independent Serial devices over LAN and remotely manage the Serial device over Ethernet.

- As a Server support 4 TCP Clients connection.
- As a Client support 4 TCP Servers connection.

Hardware

CPU : MT7688AN MIPS CPU, 580 MHz
RAM : 128M Bytes DDR2 RAM
ROM : 32M Bytes Flash ROM
OS : OpenWrt Linux OS

Ethernet Port * 1

Port Type : RJ45 Connector
Speed : 10 /100 M bps (Auto Detecting)
Protocol : ARP, IP, ICMP, UDP, TCP, HTTP, DHCP, NTP, FTP
Mode : TCP Server / TCP Client / UDP
Setup : HTTP Browser Setup (IE & Netscape), Console
Security : Setup Password
Protection : Built-in 1.5KV Magnetic Isolation

Serial Ports * 2

Port : 485/422 * 2 Port
RS485 Pins : Data+, Data- GND, Surge Protected
RS422 Pins : Rx+, Rx-, Tx+, Tx-, GND, Surge Protected
Speed : 300 bps to 921.6 Kbps
Parity : None, Odd, Even
Data Bit : 5, 6, 7, 8
Stop Bit : 1, 2
15KV ESD for all signals

WiFi port (Optional)

Standard : 802.11b/g/n
Data Rate : 11/54/72.2 Mbps @ 20Mhz Band Width
Modulation : DSSS, OFDM
Frequency : 2.4GHz
Tx Power 11b : Max. 22dBm
Tx Power 11g/n : Max. 19dBm

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Rx Sensitivity : -76dBm @ 54Mbps, -89.5dBm @ 11Mbps
Tx Rate : Max. 54Mbps with auto fallback
Tx Distance : Up to 100m
Security : WEP 64-bit / 128-bit data encryption, WPA / WPA2 personal
Antenna : 2 dBi, RP-SMA connector

Network Mode : Infrastructure, Ad-Hoc; Soft AP (for Setup)
Mode : TCP Server / TCP Client / UDP / Virtual Com / Pairing

Power Supply Options

Dual Power : 24V DC. (Range 9 to 24V DC). 200 mA @ 12V, Terminal block
: DC Jack for External Adapter (Adapter not a standard Supply)
: 48, 110, 220V DC. 3 Pin Terminal block
: 230V AC Range 165V AC to 265V AC, 3 Pin Terminal block
: Power over Ethernet 802.3 af (optional)

Other Features

Config Utility : WIN-10, Win-8, Win-7, Vista , Win-XP, Win-2003 server, Win-2000
Virtual COM : Windows 2000 / 2003 / XP / Vista / Win-7/ Win-8/ Win-10
Security : Login Password
Indications : LED's for SYS, PWR, LAN, RX, TX
Real Time Clock
Watch Dog Function

Mechanical

Dimensions : 110 * 33 * 113 mm (H * W * D) for DC Supply
: 110 * 33 * 140 mm (H * W * D) for AC Supply
Weight : 450 gm
Housing : Metal
Mounting : DIN Rail

Environment

Operating Temperature: -20°C to 70°C
Storage Temperature : -25°C to 80°C

Product Ordering Code : SC10EK2 485 MT X YYY P W

SC10EK2 485 : Base Code for 2 Port RS485/422 Device Server
MT : Fixed
X : A for AC Supply. D for DC Supply
YYY : 230 for 230V AC. 24, 48, 110, 220 for resp DC Input
P : PoE Powered
W : WiFi