SNT-X

BERKIN ENGINEERING®

Your Trustworthy Partner On Course Of Success

SERIAL ETHERNET CONVERTER

- Programmable/Selectable input port
- Socket models: TCP server, TCP client, UDP
- Configuration with HTTP or Windows utility
- Real-time operating system (RTOS)
- SNMP MIB-II for network management
- 2 kV isolation protection
- 1/ 4/ 8 port options

The SNT-X series is designed for seamless communication in harsh conditions. The SNT-X series allows 8 devices using serial ports to be easily connected to the network by simply turning them into a 10/100 Ethernet Protocol with a simple configuration interface. You can use the easy to use HTTP interface or the Windows utility to configure device monitoring and settings, connected to the SNT – X series. SNT-X series LED tokens (system LED, Series Tx/Rx LEDs and Ethernet LEDs) allow to monitor the operation of the existing system, and facilitate the identification and removal of problems in the field. The LEDs on the SNT-X series offer status imaging not only for the system and network they are located on, but also for other connected serial devices. The SNT-X series IT-friendly SNMP I/O can be easily integrated into existing network management systems to control and secure the system. These SNMP solutions can be used to control system conditions such as temperature, humidity, power, pressure, interference, on/off status, and vibration.

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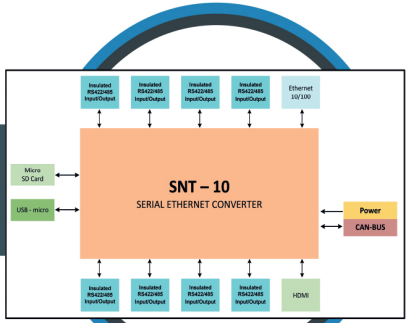
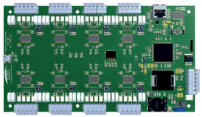
SNT-X
Serial Ethernet Converter



Baud Rate	12.5 Mbit/s
Isolation Protection	± 15 kV
Overcurrent Protection	Yes
Input Voltage	18 – 36 VDC
Virtual Series (USR-VCOM)	Windows 2000 or higher (32 bit / 64 bit)
Configuration Options	Windows Utilities, Web Console (HTTP / HTTPS)
Protocols	TCP/IP, UDP, NDS, DHCP, HTTP, ARP, NetBIOS, DNS
Linux Real TTY Drivers	**Core versions:** 2.4.x, 2.6.x, 3. x, 4. x и 5.x
Time management	SNTP
Connector	KLEMENS 5x1 – USB-MINI-B – RJ45- MAGjack – MIL – DTL- 38999
Serial Connections	RS-422/485 – USB Ethernet 10/100 – CAN-BUS
Modes of Operation	Disabled, Ethernet Modem, Pair Connection, Real COM, Reverse Telnet, TCP Client, TCP Server, UDP
Size	240x140x15 mm
Environmental Conditions	MIL – STD – 810
EMI/ENC	MIL – STD – 461

Microcontroller: STM32H7 ARM CORTEX 32 bit-M7 CPU
Microcontroller: Speed 480 MHz, Flash 2 MB, RAM 1 MB
Ethernet (x1) :10/100 Base T(X) Ports (connector RJ45) 1.5 kV (built-in)
Insulated high speed 16 Mbit / FULL DUPLEX RS-422/485 (x8)
Internal ± 15 kV ESD protection for all serial signals
5 kVrms isolated CAN-BUS (x1) (CANH and CANL signal line protection up to ±40 volts
USB Port
Standard TCP/IP interface and versatile TCP/UDP operating modes
SNMP MIB-II for network management
Automatic restart trigger-Built-in WDT
Remote COM port connection with virtual COM port
1, 4 and 8 port models are available



Model Number	SNT-10	SNT-40	SNT-80
Stock Code	CD-F 1087 00	CD-F 1088 00	CD-F 1089 00

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