ITTELECOM.CO

Features:

- Support Modbus TCP transfer to Modbus RTU. RTU can be RS232 or RS485.
- Support RTU as main station or Modbus TCP as main station.
- Support multi-host access, with up to 100 TCP clients.
- Support all Modbus function codes and register ranges.

◆ Description:

ITT-SR4778 is a Modbus TCP to Modbus RTU (RS485/232) converter. It can convert Modbus TCP data from Ethernet to Modbus RTU (RS485/232) and vice versa. It provides an easy way to access your Modbus RTU device through Modbus TCP, with no need to change your hardware or software. ITT-SR4778's firmware support full Modbus TCP and Modbus RTU protocol. It maps all current serial Modbus commands and registers to Ethernet Modbus TCP commands and register.

ITT-SR4778 also support Ethernet to serial transparent data converting, like normal Serial Server Device. It can conveniently let your legend serial device connect to Ethernet and Internet, and upgrade the serial device with networking. It support virtual serial driver, and user's previous PC software using serial to communicating need not change.

◆ Product features:

1) Suitable for Modbus RTU networking upgrading. It is compatible with the software of SCADA/HMI software of Beijing Sunway ForceControl Technology Co. Ltd; Also it support directly transform Modbus TCP to Modbus RTU.

2) Support full duplex, high speed converting, and no packet lost.

3) ITT-SR4778 is the first type of full duplex, continuous, and low cost serial server in industry. It support simultaneously converting between Ethernet &Serial with large bulk of data with no pause, and also no data is lost.

4) Hight cost performance.

5) ITT-SR4778 is designed by concept of intensification, after ensure the stability. It highly takes the cost of networking upgrading in count

6) Support TCP Server, TCP Client, UDP mode, and if communicating with ITTVirCom (our software), it automatically change to Real Com Driver Mode.

7) Support band rate 1200~460800bps, data size 5~8bits, parity of None, Odd, Even, Mark, Space. Support CTS/RTS hardware flow control.

8) Equipped freely with our Windows Virtual Serial & Device Management Tool ITTVirCom. It supports virtual serial and searching device or modifying parameters with ITTVircom.

9) Provide device management library (Window DLL library). It will help user to develop program with VC, VB, Delphi, C++ Builder. User need only use read() or write() function to communicate with ITT-SR4778.

10) The innovative disconnecting detecting method. Whether it running in TCP Server mode or TCP Client mode, once network is disconnected by some reason, the disconnecting detecting method will detected it and reestablished the connecting.

11) With build-in Web server, its parameters can be modified by web browser.

12) Support DHCP, easy for IP management and solve IP confliction.

13) Support DNS. It fulfills the need of access data server through domain name.

14) Flexible serial data framing setting. It fulfills all kinds of serial data frame requirement.

15) UDP mode support dynamic destination address mode. It helps for multi-user mange one serial server.

16) Real Com Driver mode support using the 9-th bit to facilitate communication with milt-device. (the 9-th bit being 0 means data frame and 1 means address frame).

17) Support searching serial servers and modifying parameters through Internet remotely

18) Support parameter modifying protection, preventing modifying by accident. Support running with default parameters.

19) Build-in 2 KV electrical plus protection in RJ45.

20) High protection of electromagnetic interference, with its high electromagnetic interference protection SECC external shell.

◆ Technical Parameters:

Product model	24+2 Management Gigabit Fiber Switch
Supported agreement	IEEE802.3、IEEE 802.3ab、IEEE 802.3x、IEEE802.1q、IEEE802.1p、IEEE802.1z、IEEE802.1d、IEEE802.1s、IEEE802.1w、IEEE802.1ax、IEEE802.1ak
the maximum fram length	9216B
The number of ports	24 1000M SFP optical ports,2 10/100/1000M RJ45 ports
Network Media	1000Base-LX: the use of long-wavelength laser (1310nm) over the multi-mode and single mode fiber, multi-mode fiber, the maximum distance is 550m, single mode 10-24km。 1000Base-SX: 62.5μm multimode fiber, the maximum transmission distance of 275m 50μm multimode fiber, the maximum transmission distance of 550 meters.
VLAN address table	4K
MAC address table	8K
Cache	32Mbits
Backplane bandwidth	52Gbit
Filtering and forwarding rate	1000Mbps：1488000pps
Dimensions	440x280x44mm(1U19 inch standard chassis)
Use of the environment	Storage Temperature：-20℃～70℃；Storage humidity5％～90％Non-condensing work Temperature：0℃～40℃；work humidity10％～90％Non-condensing
power	input：90-264VAC，50-60HZ；output：5V/12A
Power consumption	Power consumption：Maximum 60W