

VS-NetCom 813RM



- Can control 8 x RS232/422/485 devices located virtually anywhere (via Ethernet or Internet)
- Lan interface 10BaseT/100BaseTx Ethernet
- Driver automatically finds NetCom devices in the network
- Configuration over Driver Panels, serial Port, Telnet, WEB Browser, SNMP
- Automatic mode switching between Driver and Raw Mode
- Supports TCP/IP, UDP, Telnet, DHCP, ICMP, HTTP, SNMP V1/2c/3, DNS
- Supports ART (Automatic Receive Transmit control)
- RS232/422/485 interface selectable by Switches

Overview

VS NetCom 813RM is an industrial-strength network-based serial device server for connecting eight RS232/422/485 device like CNC, PLC, weighing scale, scanner and other devices directly to the 10/100Mbps Ethernet network running TCP/IP.

In addition to allowing serial devices to get networked, any host (PC Server or Workstation) without network access can also access remote serial device via adding NetCom devices to the existing serial port. NetCom 813RM can be configured over Driver Panels, WEB Browser, serial Port, Telnet, SNMP and serves as a transparent serial channel without platform and distance limitation.

Applications

Industrial / Factory / Laboratory automation
SCADA system
Automatic warehouse control system
Building automation system
Wafer fabrication system
Self-service banking system
Retail system
Other remote and distributed serial devices control

Specification

Hardware

Processor: ARM 7 TDMI 50MHz
I/O controller: 16C550C or compatible
Memory: 8MB SDRAM, 1 MB Flash
Connector type: RJ45 for LAN, DSUB 9 male for serial Port

Interface

LAN interface: Auto-detecting 10BaseT/100BaseTx
Protocols: TCP/IP, UDP, Telnet, DHCP, ICMP, HTTP, SNMP V1/2c/3, DNS
Serial interface: RS232/422/485 switchable

No. of port: 8, Speed up to 460Kbps
Available Modes: RS232 full duplex
RS422 full duplex
RS485 4 wire, full duplex
RS485 2 wire, half duplex, with echo
RS485 2 wire, half duplex, without echo
Signals: RS232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
RS422: Tx+/-, Rx+/-, GND
RS485 2 wire Data+/-, GND
RS485 4 wire Tx+/-, Rx+/-, GND
RS485 Data control: Controlled by ART (Automatic Receive Transmit control) or RTS

Performance

Speed: up to 460Kbps
Parity: None, even, odd, space, mark
Data bits: 5, 6, 7, 8
Stop bits: 1, 1.5, 2
IRQ: None
I/O address: None

Operating Modes:

Driver mode: VScom Driver for Windows NT 4.0, 2000, XP and 2003
Driver Mode creates virtual Com port
TCP Raw Server: Raw data transfer over TCP/IP. Waits for incoming connections.
TCP Raw Client: Raw data transfer over TCP/IP. Connects to a host or device waiting for incoming connections
TCP Advanced Settings: Special settings for user-defined modes
UDP Mode: Raw data transfer UDP. The NetCom is client and server at the same time. With the timeout functionality and a configurable trigger string it can make defined UDP packets of incoming data.
Null Modem Tunnel: Connecting two NetCom used as virtual null modem cable

Power and Environment

Power requirements: 100 - 240V AC 47-63 Hz, 25VA
Dimension: 258× 149×45 mm³ (W×L×H)
278×155×45 mm³ with connectors

Special Features:

Installation: Configuration utility automaticly finds NetCom devices in the network
Operating mode: Automatic mode switching between Driver and TCP RAW mode.

With TCP Advanced settings it is possible to configure the NetCom for using it in multiple modes, so it decides automatically which mode should be used.

Configuration: Configuration over Driver Panels, NetCom Manager, WEB Browser, serial console, Telnet, SNMP

SNMP: special VScom MIB included

ART: Automatic Receive Transmit control for RS485

DNS: Domain Name Server support

Serial interface: Serial Interface configurable with external switch

Firewall: Special precautions for Firewall environments

Firmware: Firmware update over WEB Browser, Telnet, ComPort

LEDs: LEDs for Power, Tx, Rx, LAN Link, LAN Speed

Security:

Password access: Every capabilities of configuration use the same password including SNMP V3

Ordering Information

Art.No: 673

Product Name: VS NetCom 813RM

Packing list: VS NetCom 813RMr
CD-ROM with Driver and configuration software
Printed Quick Installation Guide