

VS-NetCom 411



- Can control 4 x RS232 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
- Support TCP/IP, UDP, Telnet, DHCP, ICMP, HTTP, SNMP V1/2c/3, DNS

Overview

VS NetCom 411 is an industrial-strength network-based serial device server for connecting four RS232 device like CNC, PLC, weighting 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 411 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 female 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
No. of port: 4, Speed up to 460Kbps
Available Modes: RS232 full duplex
Signals: RS232: Tx, Rx, RTS/CTS, DTR, DSR, DCD, RI, GND

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 Win XP, Win2000
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 which wait 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 could make defined UDP packets of incoming data.

Null Modem Tunnel: Connecting two NetCom used as virtual null modem cable

Power and Environment

Power requirements: 9 - 30V DC, 400mA @ 12V

Power supply Adapter: 12V DC 1A

Dimension: 167×99×29 mm³ (W×L×H)
189×102×29 mm³ with connectors

Special Features:

Installation: Configuration utility automatically 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: no

DNS: Domäne 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: 668
Product Name: VS NetCom 411
Packing list: VS NetCom 411
Power supply adapter
CD-ROM with Driver and configuration software
Printed Quick Installation Guide