VS com

NetCom 813

8-port RS232/422/485 Serial Device Server

Hardware	
Processor	ARM 7 TDMI 50MHz
I/O controller	16C550C or compatible
Memory	8MB SDRAM, 2 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 RS232, up to 921Kbps RS422/48
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 by RTS
Performance	
Speed	Up to 460Kbps RS232, up to 921Kbps RS422/485
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 up to 7, Server 2000 up to 2008 R2, both x86 and x64 Editions.
	The Driver creates a virtual Com port, using Vscom NetCom protocol.
TCP Raw Server	Raw data transfer over TCP/IP. Accepts multiple incoming connections..
TCP Raw Client	Raw data transfer over TCP/IP. Connects to multiple hosts or devices waiting for incoming connections.
TCP Advanced Settings	Special settings for user-defined modes
UDP Mode	Raw data transfer by 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.
IP Modem	The serial port emulates a standard modem. Operates by AT-commands, and dials to IP-Addresses instead of phone numbers.
	Windows "INF"-Driver provided for installation.
Print Server	The NetCom accepts print jobs, and spools them to the attached serial printer. Operates as of RFC1197, similar to the line printer daemon in Unix-systems.
Power and Environment	
Power Requirements	9 - 30V DC, 600mA @ 12V, Terminal Block
Power Supply Adapter	12V DC 1A
Operating Temp.	0°C - 60°C
Storage Temp.	-20°C - 85°C
Case	SECC sheet metal (1mm)
Dimension	167 × 99 × 43 mm³ (W × L × H)
	189 × 102 × 44 mm³ with DB9 connectors and ears
Weight	700g
Special Features	
Installation	Configuration utility automatically finds NetCom devices in the network.

NetCom 813 (Art No. 671)
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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

Approvals

EMC	FCC Class A, CE Class A
Environment	RoHS

Ordering Information

Art. No.	671
Product Name	VScom NetCom 813
Packing list	◆ VScom NetCom 813 Adapter ◆ Power supply adapter 12V, 1A ◆ CD-ROM with Driver and configuration software ◆ Printed Quick Installation Guide
Optional Accessories	◆ DK 35A (Art No.662) - DIN-Rail mounting kit ◆ 9PF-9PF (Art No.661) - Serial Adapter : Null-Modem adapter, change male to female

Overview

NetCom 813 is an industrial-strength network-based serial device server for connecting eight RS232/422/485 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 813 can be configured over Driver Panels, WEB Browser, serial Port, Telnet, SNMP and serves as a transparent serial channel without platform and distance limitation.

You can purchase VSCOM's products easily from a wide variety of leading technology distributors or partners.
Please contact us to find the best ordering method for your needs.