VS com

NetCom 411 PRO
4-port RS232 Secure Serial Device Server

Hardware	
Processor	ARM 9 166 MHz
I/O controller	16C950 or compatible
Memory	16MB SDRAM, 2 MB Flash
Connector Type	DSUB 9 male for serial port, RJ45 for Ethernet
Interface	
Ethernet Interface	Auto-detecting 10BaseT/100BaseTx
Protocols	TCP/IP, UDP, Telnet, PPP, DHCP, ICMP, HTTP, LPD, SNMP V1/2c/3, DNS
Serial Interface	RS232
No. of Port	4
Available Modes	RS232 full duplex
Signals	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
Performance	
Speed	Up to 500 kbps
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. Timeout functionality, maximum packet size and a configurable trigger string define the packets of incoming data to send over UDP
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.
PPP Net	A Modem attached to a serial port provides Dial-In/-Out. This allows access to the serial ports without a dedicated Ethernet connection.
Power and Environment	
Power Requirements	9 - 30V DC, 350mA @ 12V
Power Supply Adapter	12V DC, 1A. Connected by Terminal block
Operating Temp.	0°C - 55°C
Storage Temp.	-20°C - 85°C
Case	SECC sheet metal (1mm)
Dimension	167 × 99 × 29 mm³ (W × L × H) 189 × 102 × 30 mm³ with DB9 connector and DIN-Rail mounting kit
Weight	400g
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.
PPP Access	Dial-In to a modem attached to a serial port using Point to Point Protocol. TCP/IP is transported over the serial line, allowing access to configuration and the serial ports, even without Ethernet. A Dial-Out option is also provided.
Configuration	Configuration over Driver Panels, NetCom Manager, WEB Browser, serial console, Telnet, SNMP

NetCom 411 PRO (Art No. 679)
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1   VS Vision Systems GmbH, reserves the right to change products or specifications without notice.

SNMP	Special VScom MIB included
DNS	Domain Name Server support
Firewall	Special precautions for Firewall environments
Firmware	Firmware update over WEB Browser, Telnet, ComPort
LEDs	LEDs for Power, serial Tx, Rx, Ethernet Link, Speed
Security	
Password Access	Every capabilities of configuration use the same password including SNMP V3
Secure Communication	OpenVPN™ tunnel provides security on Ethernet. The tunnel protects the configuration as well as all serial data. It is also usable across the Internet.
	Strong encryption by AES up to 256 bit keys.
Approvals	
EMC	FCC Class A, CE Class A
Environment	RoHS
Ordering Information	
Art. No.	679
Product Name	VScom NetCom 411 PRO
Packing list	◆ VScom NetCom 411 PRO
	◆ Adapter Power supply adapter 12V, 1000mA
	◆ CD-ROM with Driver and configuration software
	◆ Printed Quick Installation Guide
Optional Accessories	◆ DK 35A (Art No.662) - DIN-Rail mounting kit

Overview

NetCom 411 PRO is an industrial-strength network-based serial device server for connecting four RS232 devices like CNC, PLC, weighting scale, scanner and other devices directly to a network running TCP/IP.

NetCom 411 PRO provides completely secured communication for configuration and to the attached serial devices, this is implemented by openVPN tunnel software. Further each serial port can control a modem for Dial-In and -Out via PPP.

In addition to allowing serial devices to get networked, any host (PC Server or Workstation) without network access can also access remote serial devices via adding NetCom devices to the existing serial ports. NetCom 411 PRO 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.

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