

Features

- ARM 7 TDMI 50MHz Processor
- 16C550C or compatible I/O controller
- 8MB SDRAM, 1 MB Flash memory
- Control 1, 2, 4 or 8-port RS232 or RS232/422/485 devices
- 10BaseT/100BaseTx Ethernet
- Configuration utility automatically finds NetCom devices in the network
- Configuration over Driver Panels, serial Port, Telnet, WEB Browser, SNMP
- Automatic mode switching between Driver and TCP 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

■ ■ Network to Serial

NetCom Lite

1 to 8-port Industrial Serial Device Server

1, 2, 4 and 8 ports

Overview

NetCom Lite is an industrial-strength network-based serial device server designed for connecting RS232 or RS232/RS422/RS485 devices directly to the 10/100Mbps Ethernet network running TCP/IP.

NetCom Lite used in Driver Mode make a remote serial port to act as a virtual local COM port. In this mode your original software application can directly control remotely located devices, such as data collection systems over network. 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 an existing serial port.

The compact size of NetCom Lite is equipped with CPU, memory, real-time OS and TCP/IP protocols to bi-directionally translate data between serial interface and TCP/IP sockets.

1 to 8 ports selection, NetCom Lite series can be configured over Driver Panels, WEB Browser, serial Port, Telnet, SNMP and serves as a transparent serial channel without platform and distance limitation.



NetCom Series is available with RS232 only ports (x11 models) or with RS232/422/485 ports by DIP-switch configurable (x13 models).

For more information, visit www.vscom.de or contact us by sales@vscom.de





NetCom Lite

1 to 8-port
Industrial Serial Device Server

Operating Modes

The standard TCP Raw and UDP Modes are available to any operating system. Additionally NetCom comes with Com Drivers supporting Windows (NT/4.0, 2000, XP, 2003, Vista) and Linux (Fixed TTY) operating systems.

After installation of the driver for a Win-OS a NetCom device appears in the Device Manager as VSCOM Virtual Com. Driver panels offer a feature-rich and easy configuration of all parameters. NetCom drivers establish a transparent connection between host computer and serial device located anywhere on TCP/IP net.

Existing software applications directly access the serial device, similar to a local COM port. Specialized applications are supported by the Null Modem Tunnel of NetCom Serial Device Servers. Two serial ports are connected via network, together they simulate a long Null Modem cable. A Modem Emulation is provided by IP Modem option. The NetCom "dials" to a second NetCom, both controlled by standard AT-command set on the serial port. A Modem driver file for Windows is provided.

Distributor

Specifications	
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
LAN interface	Auto-detecting 10BaseT/100BaseTx
Protocols	TCP/IP, UDP, Telnet, DHCP, ICMP, HTTP, SNMP V1/2c/3, DNS
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
Driver mode	VScom Driver for Windows NT 4.0, 2000, XP, 2003 and Vista. Driver Mode creates Virtual Com port
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 ports 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
Operating Temp	0°C - 60 °C
Storage Temp	-20°C - 85°C
Case	SECC sheet metal (1mm)
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
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
Password access	Every capabilities of configuration use the same password including SNMP V3
EMC	FCC Class A, CE Class A
Environment	RoHS

Available models

- 1-port: NetCom 111, NetCom113 and NetCom113 Desktop
- 2-port: NetCom 211
- 4-port: NetCom 411, NetCom413
- 8-port: NetCom811, NetCom 811RM, NetCom 813, NetCom 813RM

Where to buy?

VSCOM's global distributors can help you find the right product for your requirements. or contact VSCOM directly: sales@vscom.de

www.vscom.de

