



# NetCom 111

1 port serial device server



## KEY FEATURES

- Can control 1 x RS232 devices located virtually anywhere (via Ethernet or Internet)
- LAN interface 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
- Support TCP/IP, UDP, Telnet, DHCP, ICMP, HTTP, SNMP V1/2c/3, DNS

## Overview

NetCom 111 is an industrial-strength network-based serial device server for connecting one RS232 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 111 can be configured over Driver Panels, WEB Browser, serial Port, Telnet, SNMP and serves as a transparent serial channel without platform and distance limitation.



## Specifications

<b>Hardware</b>	
Processor	ARM 7TDMI 50MHz
I/O controller	16C550C or compatible
Memory	8MB SDRAM, 1 MB Flash
Connector type	RJ45 for LAN, DSUB 9 female for serial Port
<b>Interface</b>	
Ethernet interface	Auto-detecting 10BaseT/100BaseTx
Protocols	TCP/IP, UDP, Telnet, DHCP, ICMP, HTTP, SNMP V1/2c/3, DNS
Serial interface	RS232
No. of port	1, Speed up to 460Kbps
Available Modes	RS232 full duplex
Signals	RS232 TxD, RxD, RTS/CTS, DTR, DSR, DCD, RI, GND
<b>Performance</b>	
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

## Specifications

<b>Operating Modes</b>	
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 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
<b>Power and Environment</b>	
Power requirements	9 - 30V DC, 200mA @ 12V
Power supply Adapter	9V, 500mA
Dimensions	73 x 115 x 27 mm (W×L×H); 101 x 121 x 27 mm with DB9 connector and ears
Operating Temp	0°C - 60°C
Storage Temp	-20°C - 85°C
Case	SECC sheet metal (1mm)
Weight	0.2kg
<b>Special Features</b>	
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	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
<b>Security</b>	
Password access	Every capabilities of configuration use the same password including SNMP V3
<b>Approvals</b>	
EMC	FCC Class A, CE Class A
Environment	RoHS

## Ordering Information

Art. No	664
Product Name	NetCom 111
Packing List	NetCom 111, Power supply adapter 9V, 500mA; Serial Null-Modem adapter; CD-ROM with Driver and configuration software, Printed Quick Installation Guide
Optional Accessory	DK 35A - DIN-Rail mounting kit

VScom is offering a full range of serial communication solution for industrial application fields. Currently VScom designs and manufactures technologically advanced and cost effective Ethernet to Serial, RISC-Embedded Systems, CAN Bus to Serial, USB to Serial and PCI to Serial solutions. Envisioning the rapid growth in using Ethernet in different industrial fields. VScom is presently focusing on integration of LAN and Wireless LAN technology in serial connectivity products. VScom brand products have been in the market since 1995 and are known as high quality, reliable and long life devices. More information on the products is available at [www.vsc.com](http://www.vsc.com)