

Model Information



■ Features

- Can control 4x 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

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NetCom 411

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■ More Pictures



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■ Overview

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.

The power consumption of NetCom 411 is very low, supply via Ethernet is available. Read [background information](#) and check an [adapter](#).

■ Application

- Industrial / Factory / Laboratory automation
- Automatic warehouse control system
- Wafer fabrication system
- Retail system
- SCADA system
- Building automation system
- Self-service banking system
- Other remote and distributed serial devices control

■ 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 male for serial Port

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■ 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 921Kbps
Available Modes	RS232 full duplex
Signals	TxD,RxD, RTS,CTS, DTR,DSR, DCD, RI, GND

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■ 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

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■ 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

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■ Power and Environment

Power requirements	9 - 30V DC, 400mA @ 12V
Power supply Adapter	12V DC 1A
Dimension	167× 99×29 mm ³ (W×L×H) 189×102×30 mm ³ with DB9 connectors and ears
Operating Temp	0°C - 60°C
Storage Temp	-20°C - 85°C
Case	SECC sheet metal (1mm)
Weight	0.5kg

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■ 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

Domain Name Server support

Firewall

Special precautions for Firewall environments

Firmware

Firmware update over WEB Browser, Telnet, ComPort

LEDs

LEDs for Power, Tx, Rx, LAN Link, LAN Speed

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■ Security

Password access

Every capabilities of configuration use the same password including SNMP V3

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■ Ordering Information

Art.No

668

Product Name

NetCom 411

Packing list

NetCom 411
Power supply adapter 12V, 1A
Serial Null-Modem adapter
CD-ROM with Driver and configuration software
Printed Quick Installation Guide

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■ Optional Accessories

[DK 35A](#)

DIN-Rail mounting kit

[Serial Adapter](#)

Null-Modem adapter, change male to female

[VS-POE 10](#)

Power over Ethernet Splitter, IEEE 802.3af compliant (15W max.)

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