Model Information

Features

- Can control 2x RS232 devices located virtually anywhere (via Ethernet or Internet)
- LAN interface 10BaseT/100BaseTx Ethernet
- **Powered over Ethernet IEEE 802.3af**
- 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
- **Now on stock**

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NetCom 211 PoE

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More Pictures

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Overview

NetCom 211 PoE is an industrial-strength network-based serial device server for connecting two RS232 devices like CNC, PLC, weighting scale, scanner and other devices directly to the 10/100Mbps Ethernet network running TCP/IP.
On NetCom 211 PoE the feature of PoE (Power-over-Ethernet, IEEE 802.3af) allows to supply the NetCom via the Ethernet cable. This simplifies the cable connections on hard-to-reach locations. An external power adapter is not required, but available as an optional accessory. Read background information.

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 211 PoE can be configured over Driver Panels, WEB Browser, serial Port, Telnet, SNMP and serves as a transparent serial channel without platform and distance limitation.

Application

Industrial / Factory / Laboratory automation	SCADA system
Automatic warehouse control system	Building automation system
Wafer fabrication system	Self-service banking system
Retail 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, 2 x RJ45 -8pin 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	2 x RS232
No. of port	2, Speed up to 460Kbps
Available Modes	RS232 full duplex
Signals	TxD,RxD, RTS,CTS, DTR,DSR, DCD, GND

■ 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

■ 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	Dual Power supply • Power over Ethernet IEEE 802.3af, Class 2 (Low power) • Auxiliary power 9 - 30V DC, 250mA @ 12V Precedence is on PoE supply. With both sources available the external DC power is used as backup power source.
Power supply Adapter	12V DC 1A (optional, not included)
Dimension	73×115×27 mm³ (W×L×H)

101×115×27 mm³ with ears

Operating Temp	0°C - 60°C
Storage Temp	-20°C - 85°C
Case	SECC sheet metal (1mm)
Weight	0.3kg

■ 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

■ Security

Password access	Every capabilities of configuration use the same password including SNMP V3

■ Ordering Information

Art.No	6667
Product Name	NetCom 211 PoE
Packing list	NetCom 211 PoE CD-ROM with Driver and configuration software 2 x RJ45 8-pin to DSUB 9 male RS232 cable 1m Printed Quick Installation Guide

■ Optional Accessories

DK 35A	DIN-Rail mounting kit
Serial Adapter	RS232 Null-Modem adapter, change male to female
DC Power supply Adapter	Power supply adapter Input AC 220V, Output DC 12V, 1A

NetCom 211 PoE