



NetCom 113 PoE

1-Port RS232/422/485 Serial Device Server with PoE

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 female for serial Port
Interface	
WLAN Interface	Auto-detecting 10BaseT/100BaseTx
Protocols	TCP/IP, UDP, Telnet, DHCP, ICMP, HTTP, SNMP V1/2c/3, DNS
Serial Interface	RS232/422/485 switchable
No. of Port	1, Speed up to 460Kbps
Available Modes	RS232 full duplex RS422 full duplex RS485 4 wire, full duplex RS485 2 wire, half duplex, with echo RS485 2 wire, half duplex, without echo
RS485 Data Control	Controlled by ART (Automatic Receive Transmit control) or by RTS
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.
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	Automatic Receive Transmit control for RS485
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
Security	
Password Access	Every capabilities of configuration use the same password including SNMP V3
Power and Environment	
Power Requirements	Dual Power supply

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Power Supply Adapter Operating Temp. Storage Temp. Case Dimension Weight	<ul style="list-style-type: none"> ◆ Power over Ethernet IEEE 802.3af, Class 2 (Low power) ◆ Auxiliary power 9 - 30V DC, 200mA @ 12V Precedence is on PoE supply. With both sources available the external DC power is used as backup power source. 12V DC 1A (optional, not included) 0°C - 60°C - 20°C - 85°C SECC sheet metal 1mm 73×115×27 mm ³ (W×L×H); 101×121×27 mm ³ with DB9 connector and ears 250 g
Approvals	
EMC Environment	FCC Class A, CE Class A RoHS
Ordering Information	
Art. No. Product Name Packing List	6666 NetCom 113 PoE <ul style="list-style-type: none"> ◆ NetCom 113 PoE ◆ CD-ROM with Driver and configuration software ◆ Printed Quick Installation Guide
Optional Accessories	<ul style="list-style-type: none"> ◆ DK 35A (Art No. 662) - DIN-Rail mounting kit ◆ 9PF-9PF (Art No. 661) Serial Adapter - RS232 Null-Modem adapter, change male to female ◆ DC Power supply Adapter - Power supply adapter, Input AC 220V, Output DC 12V, 1A

Overview

NetCom 113 PoE is an industrial-strength network-based serial device server for connecting one RS232/422/485 device like CNC, PLC, weighting scale, scanner and other devices directly to the 10/100Mbps Ethernet network running TCP/IP.

On NetCom 113 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.

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 113 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.

The serial connector is pin-compatible to Com1 on a PC.

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