



NetCom Mini

Mini size 1 port RS232 Serial Device Server

Hardware	
Processor	ARM 7 SoC
I/O Controller	Embedded UART
Connector Type	RJ45 for LAN, DSUB 9 male for serial port
Interface	
LAN Interface	Auto-detecting 10BaseT/100BaseTx
Protocols	TCP/IP, UDP, DHCP/Auto-IP, ICMP, DNS, HTTP, UPNP, RFC2217
Serial Interface	RS232
No. of Port	1, Speed up to 115kbps
Available Modes	RS232 full duplex
Signals	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
Performance	
Speed	Up to 115kbps
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 XP to 7, Server 2003 to 2008 R2, both x86 and x64 Editions. The driver creates a virtual Com Port, and takes advantage of certain VSCOM extensions to RFC2217. The UPnP Manager detects NetCom Mini Servers, and permits to install them as virtual Com Ports in Windows. The Manager also installs servers connected to via Internet.
TCP Raw Server	Raw data transfer over TCP/IP
Telnet	RFC2217, Com Port Control Option This extension of Telnet is used by the Windows Driver. There are several alternative drivers and libraries available to support this protocol. Some may be available for special operating systems, e.g. Linux may use the cyclades-serial-client.
Power and Environment	
Power Requirements	5V DC, 150mA (200mA initial peak)
Power Supply Adapter	5V DC, 2A
Operating Temp.	0°C - 70°C
Storage Temp.	-20°C - 90°C
Case	SECC sheet metal 1mm
Dimension	56 × 66 × 22 mm ³ (W × L × H) 81 × 72 × 23 mm ³ with DB9 connector and ears
Weight	150 g
Special Features	
Installation	NetCom UPnP Manager automatically finds NetCom Mini devices in the network
Detection	Windows detects configured devices using UPNP
Configuration	Configuration over WEB Browser
DNS	Domain Name Server support
Firmware	Firmware update over Manager Software
LEDs	LEDs for TxD, RxD, LAN Link, LAN Speed
Approvals	
EMC	FCC Class A, CE Class A
Environment	RoHS
Ordering Information	
Art. No.	658
Product Name	VSCOM NetCom Mini
Packing list	<ul style="list-style-type: none"> ◆ VSCOM NetCom Mini Adapter ◆ Power supply adapter 5V DC, 2A ◆ CD-ROM with Driver and configuration software ◆ Printed Quick Installation Guide

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Optional Accessories

- ◆ DK 35A (Art No. 662) - DIN-Rail mounting kit
- ◆ 9PF-9PF (Art No. 661) - Null-Modem adapter converts DB9 male to DB9 female
- ◆ VS-POE 10 (Art No. 657) - Power over Ethernet Splitter, IEEE 802.3af compliant (15W max.)

Overview

The NetCom Mini is an industrial-strength network-based serial device server for connecting one RS232 device like CNC, PLC, weighting scale, scanner and other directly to the 10/100Mbps Ethernet network running TCP/IP. The small metal case allows to mount NetCom Mini in a niche.

NetCom Mini is configured over Web Browser. Windows detects NetCom Mini using UPNP function, the NetCom UPnP Manager also detects them in the LAN using UPNP. This UPnP Manager will also open the Web Browser to configure the NetCom Mini.

The NetCom Mini serves as a transparent serial channel without operating system and distance limitation. The serial port redirection uses the protocol known as RFC2217. This is well known and tested for many use cases, so NetCom Mini is a possible extension for existing installations. The NetCom UPnP Manager also installs devices communicating via the Internet.

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