

VS NetCom Devices

Quick Installation Guide

Connect your Devices to Ethernet or Internet



Netcom Servers allow you to connect existing devices with serial interface to Ethernet and Internet.

Netcom Servers are intelligent and flexible gateways between Ethernet and serial ports, which allow to address serial ports over TCP/IP sockets. Additionally, the NetCom Drivers make a remote serial port to act as a virtual COM port. In this mode, your original application can control remotely located devices directly over network.

- Driver for Virtual Com, or Raw TCP Connection
- Easy to Use Installation & Configuration Utility
- Configuration over Webbrowser
- Supports Vista, Windows 7/2008/2003/XP/2000, NT, and Linux

1. PACKING LIST

- ✓ VS NetCom Server
- ✓ Power supply adapter, AC to DC, or power supply cord
- ✓ CD-ROM with driver and configuration software
- ✓ Quick Installation Guide

Check if all parts are available. And also carefully check if the adapter has the correct voltage (110/220V AC) and connector for your wall outlets.

2. HARDWARE CONFIGURATION

2.1. POWER SUPPLY

Connect the cable from the adapter to the power jack at the rear side of NetCom. Place the adapter into the wall outlet. The red Power LED on NetCom will light.

2.2. ETHERNET

Connect the RJ45 on the rear side of NetCom to your Switch or Hub. The yellow Link LED on NetCom will light. When data traffic occurs on the network, this LED will blink. If you have a 100Mbit network the green Speed LED on NetCom will light. If you have a 10Mbit network, the Speed LED remains dark.

2.3. SERIAL PORT

The serial port of NetCom allows for different operation modes, these are defined by DIP switches. The factory setting is RS232 (like COM1). *Make sure this is still the situation with your NetCom.* To change this operation mode, please consult the table printed on the NetCom Server (top side), or the User Manual on the CD-ROM.

3. NETWORK CONFIGURATION

There are two basic configuration modes: DHCP and Non-DHCP. Before you start, contact your Network Administrator. He must be informed about the new device in the network, and he has to choose parameters. You need them for driver installation.

4. DRIVER INSTALLATION WIZARD

The driver setup is supervised by the Installation Wizard. The Wizard will detect the NetCom devices in your network. Later Windows will find the serial ports via Plug & Play.

Insert the CD-ROM into your drive. It will start automatic, presenting some information. You have the choice to start the installation direct from CD. If the CD does not start, or you do not want it to, double-click the Icon of the Wizard. You'll find it in the folder named as your Windows system.

After copying some files the Wizard scans your LAN for NetCom devices. Double-click each devices icon to check the network parameters.

4.1. DHCP CONFIGURATION

The search for NetCom usually takes about 30 seconds. For the Quick Installation it is most convenient to use the DHCP option. This option is recommended.



Info		Ports		Firewall		Options	
NC113_0030							
Server Name		NC113_0030					
Serial number		00000030		Product type		113	
Hardware Rev.		1.0		Firmware Rev.		1.2.0	
MAC Address		00:04:D9:80:00:1D					
Network settings							
☒ Use DHCP Telnet port: telnet							
IP address		192		168		1 . 84	
Netmask		255		255		255 0	
Broadcast		192		168		1 255	
Default gateway		192		168		1 1	
Name server		192		168		1 3	
Verify							
OK				Abbrechen		Verify	

Info Panel of NetCom Server (Network Configuration)

4.2. NON-DHCP CONFIGURATION

If the NetCom is configured for DHCP, and there is no server in the network, NetCom needs up to 2 minutes to start. This is normal, and not an error. You must uncheck "Use DHCP". Then enter values "IP address" to "Name server".

IP address is required, and must be unique for the entire network. The Netmask is also required, and must be the same for all stations in your network. It is recommended to consult your Network Administrator for proper parameters.

Ensure network settings of the NetCom are correct, by double-clicking each devices icon.

Important: The default configuration of NetCom may result in a fixed IP-Address. It will be the same for all connected devices. Then the Wizard can not configure a certain device. It is best to connect several NetCom one by one, configure each, then connect the next and search for that device.

5. DEVICE AND PORT INSTALLATION

In the next phase of installation the Device Manager installs the driver software for configured NetCom devices. Some Windows systems will ask the user to confirm the installation. This is normal, and not an error message. Click on “Continue”. Now Windows will detect all the serial ports on the NetCom servers.

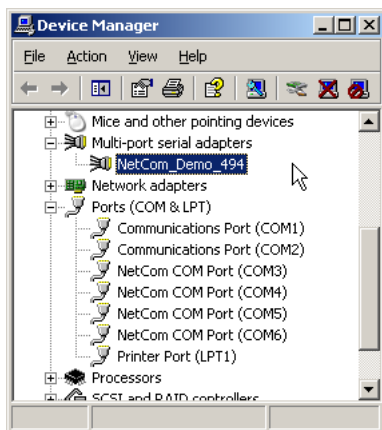


Logo Test

Windows installs drivers for virtual Com ports. Press “Next” and let the system find the best driver software for the device. Finish the installation by click on “Finish”.

6. VERIFY THE INSTALLATION

Once the drivers are installed, the devices are listed in the Device Manager. Here is a sample view.

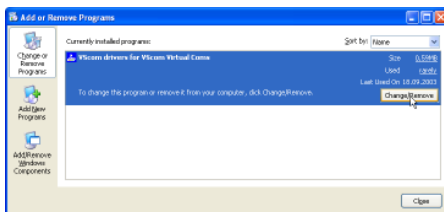


NetCom Ports in Device Manager

The NetCom devices install components in two classes. The serial ports are installed in Ports as usual, while the NetCom Servers install in “Multi-port serial adapters”.

7. UNINSTALLING THE DRIVERS

To uninstall the drivers, open “Start” → “Control Panel” → “Add/Remove Programs”, and select the item “VScom drivers for virtual serial ports”. Click “Change/Remove” to remove the drivers.



Uninstall NetCom Drivers

8. TECHNICAL DATA

- 1, 2, 4, 8 or 16 serial ports RS232 and RS232/422/485
- Fast Ethernet auto-detecting
- Option: power supply over Ethernet
- Option: Wireless LAN IEEE 802.11b/g, WEP / WPA / WPA2
- Serial speed up to 3.6 Mbps
- Drivers for virtual serial ports: Vista, Windows 7/2008/XP/2003/2000/NT 4.0, and Linux
- TCP RAW connection in Server/Client Mode
- UDP data transfer
- Null-Modem Tunnel
- Print Server
- IP Modem
- Configuration over web browser
- Protocols: TCP/IP, UDP, HTTP, Telnet, SNMP, DHCP, ICMP, DNS, RFC1197
- PPP (PRO / WLAN Server)
- VPN (PRO / WLAN Server) with AES

9. ORDERING INFORMATION

- NetCom 111 POE 1 port RS232
- NetCom 113 POE 1 port RS232/422/485
- NetCom 211 POE 2 ports RS232 on RJ45
- NetCom 111 1 port RS232
- NetCom 113 1 port RS232/422/485
- NetCom 211 2 ports RS232 on RJ45
- NetCom 411 4 ports RS232
- NetCom 413 4 ports RS232/422/485
- NetCom 811 8 ports RS232
- NetCom 813 8 ports RS232/422/485
- NetCom 113 PRO 1 port RS232/422/485
- NetCom 411 PRO 4 ports RS232
- NetCom 413 PRO 4 ports RS232/422/485
- NetCom 811 PRO 8 ports RS232
- NetCom 813RM PRO 8 ports RS232/422/485
- NetCom 1611RM PRO 16 ports RS232
- NetCom 1613RM PRO 16 ports RS232/422/485
- NetCom 123 WLAN 1 port RS232/422/485
- NetCom 423 WLAN 4 ports RS232/422/485
- NetCom 823RM WLAN 8 ports RS232/422/485

WLAN models only:

This device complies with regulations of 1995/5/EU as well as FTEG of January 31, 2001. It may be used as a radio device in all countries of the European Community, without formal request or permission. In France and Spain please respect the restrictions on allowed radio channels.

Notes:



Driver Download: <http://www.vscom.de/downloadcenter.htm>
<http://www.vscom.tw>

Product Information: <http://www.vscom.de/products.htm>
<http://www.vscom.tw>

Purchase: <http://www.vscom.de/wheretobuy.htm>

CE Conformity Declaration on CD-ROM