# VS-NetCom 211

- Can control 2 x RS232 devices located virtually anywhere (via Ethernet or Internet)
- Lan interface10BaseT/100BaseTx Ethernet
- Driver automaticly 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

**Overview**

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

**Applications**

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

## Specification

### Hardware

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| **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

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| **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:** | RS232: Tx, Rx, RTS/CTS, DTR, DSR, DCD, RI, GND |
| **RS422/485:** | only RS232 |

### Performance

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|---|---|
| **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:

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| **Driver mode:** | VScom Driver for Win XP, Win2000<br>Creates virtual Com port |
| **TCP Raw Server:** | Raw data transfer over TCP/IP. Waits for incomming connections. |
| **TCP Raw Client:** | Raw data transfer over TCP/IP. Connects to a host or device which wait for incomming connections |
| **TCP Advanced Settings:** | Special settings for user-defined modes |
| **UDP Mode:** | Raw data transfer UDP. The NetCom is client and server at the same time.With the timeout functionality and a configurable trigger string it could make defined UDP packets of incomming data. |
| **Null Modem Tunnel:** | Connecting two NetCom used as virtual null modem cable |

## Power and Environment

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| **Power requirements:** | 9 - 30V DC, 250mA, 12V 200mA |
| **Power supply Adapter:** | 9V, 500mA |
| **Dimension:** | `73×115×27` mm³ (W×L×H)<br>`101×121×27` mm³ with connectors |

## Special Features:

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| **Installation:** | Configuration utility automaticly finds NetCom devices in the network |
| **Operating mode:** | Automatic mode switching between Driver and TCP RAW mode.<br>With TCP Advanced settings it is possible to configure the NetCom for using it in multiple modes, so it decides automaticly 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:** | Domäne Name Server support |
| **Serial interface:** | Serial Interface configurable with external switch |

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| **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:

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

## Ordering Information

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|---|---|
| **Art.No:** | 667 |
| **Product Name:** | VS NetCom 211 |
| **Packing list:** | VS NetCom 211<br>Power supply adapter 9V, 500mA<br>CD-ROM with Driver and configuration software<br>2 x RJ45 8-pin to DSUB 9 male RS232 cable 1m<br>Printed Quick Installation Guide |