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1 Port RS232 Serial over IP Device Server



Actual product may vary from photos

User Manual

SKU#: NETRS232

For the latest information and specifications visit
www.startech.com/NETRS232

Manual Revision: 05/16/2019

Compliance Statements

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (B)/NMB-3(B)

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Safety Statements

Safety Measures

- Wiring terminations should not be made with the product and/or electric lines under power.
- Cables (including power and charging cables) should be placed and routed to avoid creating electric, tripping or safety hazards.

Mesures de sécurité

- Les terminaisons de câblâge ne doivent pas être effectuées lorsque le produit et/ou les câbles électriques sont sous tension.
- Les câbles (y compris les câbles d'alimentation et de chargement) doivent être placés et acheminés de façon à éviter tout risque électrique, de chute ou de sécurité

安全対策

- 電源が入っている状態の製品または電線の終端処理を行わないでください。
- ケーブル（電源ケーブルと充電ケーブルを含む）は、適切な配置と引き回しを行い、電気障害やつまづきの危険性など、安全上のリスクを回避するようにしてください。

Misure di sicurezza

- I terminiali dei fili elettrici non devono essere realizzate con il prodotto e/o le linee elettriche sotto tensione.
- I cavi (inclusi i cavi di alimentazione e di ricarica) devono essere posizionati e stesi in modo da evitare pericoli di inciampo, rischi di scosse elettriche o pericoli per la sicurezza.

Säkerhetsåtgärder

- Montering av kabelavslutningar får inte göras när produkten och/eller elledningarna är strömförda.
- Kablar (inklusive elkablar och laddningskablar) ska dras och placeras på så sätt att risk för snubblingsolyckor och andra olyckor kan undvikas.

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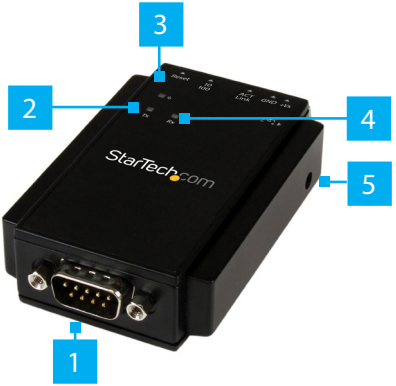
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To view manuals, videos, drivers, downloads, technical drawings, and more visit www.startech.com/support

Product Diagram

Front View



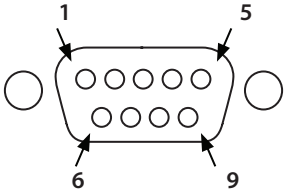
1	*DB-9 Serial Port*
2	*Transmit LED*
3	*Power LED*
4	*Receive LED*
5	*Power Jack (10-30V DC)*

Rear View



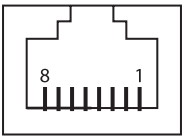
1	*Terminal Block (10-30V DC)*
2	*RJ45 Port*

DB-9 Serial Port Pinout



Pin 1	*DCD*	**Pin 6**	*DSR*
Pin 2	*RXD*	**Pin 7**	*RTS*
Pin 3	*TXD*	**Pin 8**	*CTS*
Pin 4	*DTR*	**Pin 9**	*RI*
Pin 5	*GND*		

RJ45 Port Pinout



Pin 1	*TX+*	**Pin 3**	*RX+*
Pin 2	*TX-*	**Pin 6**	*RX-*

Product Information

Packaging Contents

- Serial over IP Device Server x 1
- DIN Rail Kit x 1
- Terminal Block x 1
- Universal Power Adapter (NA/UK/EU) and AU in Australia x 1
- Software CD x 1
- User Manual x 1

System Requirements

Cables

- RJ45 terminated Cat5 or higher Ethernet cabling

Network

- 10/100Mbps compatible Ethernet network

Operating System

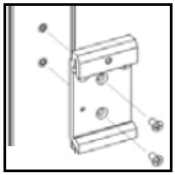
- Windows® 8, 8.1, 7, Vista, XP, 2000, Windows® Server 2012, 2008 R2, 2003 or Linux (The included software does not support Linux. To emulate a local COM port Linux users would need to use Telnet.).

Hardware Installation

DIN-Rail Bracket

Follow the below procedure to install the **DIN-Rail Bracket** to the **RS232 Device Server**.

1. Align the **DIN-Rail Bracket** flush onto the back of the **Device Server**.
2. Align the **DIN-Rail Bracket Mounting Holes** with the **Pilot Holes** on the **Device Server** and use the **Screws** (x 2) to secure the **DIN-Rail Bracket** to the **Device Server**.



Installing the Din Rail Bracket

DIN-Rail Mounting

Follow the below procedure to mount the device server to a DIN-Rail.

1. Tilt the **Device Server,** making sure that the **Metal Spring** located at the back is positioned on top of the **DIN-Rail**.
2. Push the **Device Server** towards the **DIN-Rail,** until it clicks.

Connecting to Terminal Block Power

The **Device Server** is powered by either the **Universal Power Adapter** (included), or a **2-wire 10~30V DC Power Source** via the **Terminal Block** (included).

1. Attach the included **Universal Power Adapter** to an **AC Electrical Outlet**.

   - or -

2. To use terminal block power, gently pull the **Terminal Block Connector Housing** from the **Device Server**.
3. Using a **Flat Head Screwdriver**, loosen the **Screws** on the **Terminal Block Connectors**.
4. Connect the **Power** and **Ground** wires from your **DC Power Source** to the proper **Terminal Block Connectors** and fasten the **Screws**. The terminals are marked on the device server housing.
5. Reinsert the **Terminal Block Connector Housing** into the **Device Server**.

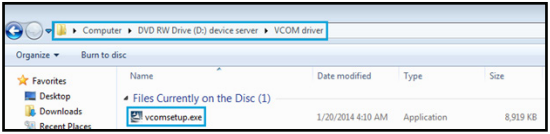
Software Installation

1. Using a **CAT5e/6 Cable** connect the **RJ45 Port** on the **Device Server** to your Local Area Network (LAN).

   Note: *Alternatively, you can also use a* **Crossover Cable** *to connect the* **Device Server** *directly to your system for the initial configuration.*

2. Insert the provided **CD** into your **DVD/CD-ROM** drive.

3. Browse to the folder **\VCOM driver** and execute the **vcomsetup.exe** installer.

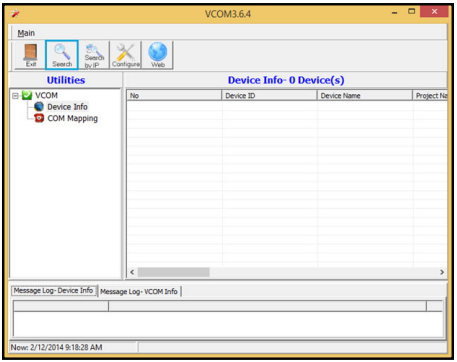


Browse to the VCOM Drive Folder

4. Follow the on-screen instructions to complete the installation of the **VCOM** and **WinPcap** software.

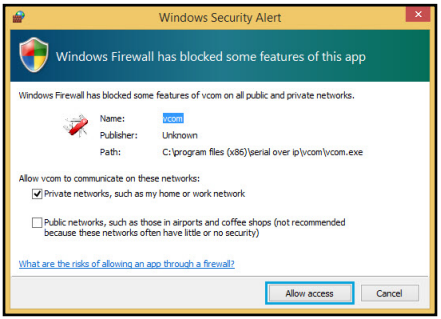
Operation

1. Start the software by launching the **VCOM** shortcut.
2. Click the **Search** button in the ***VCOM*** screen to locate the device.



Click the Search Button

***Note:** If required, allow access to the software through the **Windows Firewall** by clicking the **Allow access** button.*

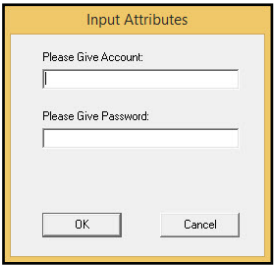


Windows Firewall screen

3. When the device is found, configure the PC to the same IP domain by clicking the **Configure** button. The default IP address of the device is "192.168.1.1".

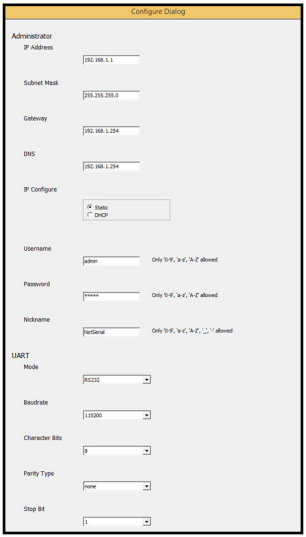
   Note: *The default Gateway Address is "192.168.1.254".*

4. In the ***Input Attributes*** screen, enter the following:
   - **Account Name:** admin
   - **Password:** 00000



Input Attributes screen

5. When the device is connected, the ***Configure Dialog*** screen will open to set your desired IP settings.



Configure Dialog screen

6. When your settings have been customized, click the **OK** button at the bottom of the screen.

Specifications

Interface	Serial
Industry Standards	IEEE 802.3, IEEE 802.3u
Ports	1
Connectors	1x DB-9 (9 pin; D-Sub) Male 1x RJ-45 Female 1x Terminal Block (2 wire) 1x DC Power
Auto MDIX	Yes
Compatible Networks	10/100 Mbps
Data Bits	5, 6, 7, 8
Flow Control	RTS/CTS, None
Max Baud Rate	230.4 Kbps
Parity	None, Even, Odd, Space, Mark
Remote Management Ability	Yes
Serial Protocols	RS-232
Stop Bits	1, 2, 1.5
Supported Protocols	Telnet, VCOM, TCP Server, TCP Client, UDP, HTTP,DHCP, ICMP(PING), Static IP, ARP

Enclosure Type	Plastic
Product Dimensions (LxWxH)	86mm x 54mm x 23mm
LED Indicator(s)	1x Power 1x Tx 1x Rx 1x 10/100 Mbps Indicator 1x Link / Activity
Power Input	Terminal Block: 10~30V DC (2 wire) DC Jack: 10~30V DC 3.5mm
Power Consumption	1.45W Max
Enclosure Material	Plastic
Operating Temperature	0°C to 60°C (32°F to 140°F)
Storage Temperature	-10°C to 70°C (-14°F to 158°F)
Humidity	0~90% RH
Product Weight	2.29 oz (65 g)
Compatible Operating Systems	Windows® 8 / 8.1 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64), 2000, Windows® Server 2012, 2008 R2, 2003(32/64)

Warranty Information

This product is backed by a two-year warranty.

For further information on product warranty terms and conditions, please refer to www.startech.com/warranty.

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