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1 Port RS232 Serial over IP Device Server

NETRS232

*actual product may vary from photos

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Manual Revision: 09/10/2015

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.

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Table of Contents

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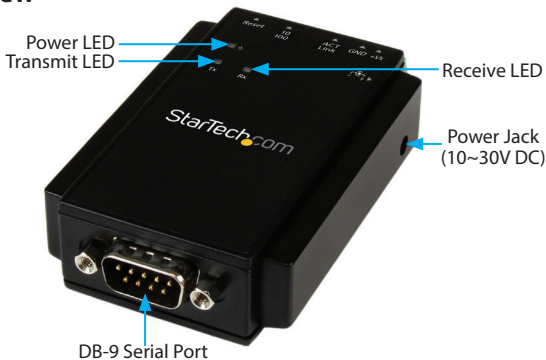
Introduction

Packaging Contents

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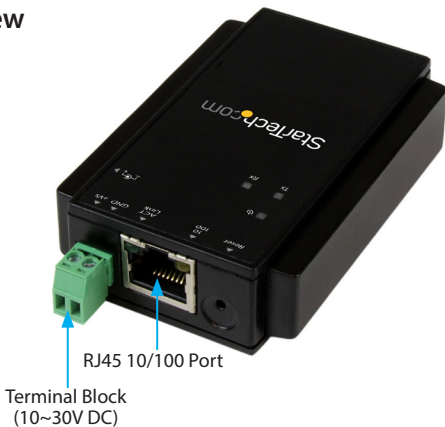
System Requirements

- RJ45 terminated Cat5 or higher Ethernet cabling
- 10/100Mbps compatible Ethernet network
- Windows® 8 / 8.1 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64), 2000, Windows® Server 2012, 2008 R2, 2003(32/64)
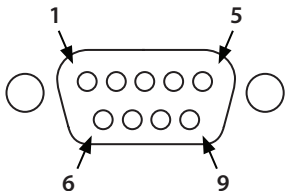
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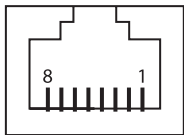
Product Diagram

Front View

Power LED
Transmit LED
Receive LED
Power Jack
(10~30V DC)
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DB-9 Serial Port

Rear View

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RJ45 10/100 Port
Terminal Block
(10~30V DC)

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DB-9 Connector Pinout

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

RJ-45 Connector Pinout

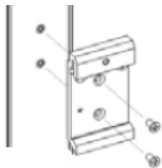| PIN	Define
1	TX+
2	TX-
3	RX+
6	RX-

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Installation

Hardware Installation

DIN-Rail Bracket:

Follow the below procedure to install the DIN-Rail bracket to the RS232 device server.

1. Remove the included DIN-Rail bracket, and screws from the package, and align the DIN-Rail bracket flush onto the back of the device server.

2. Align the bracket's mounting holes with that of the device servers pilot holes, and secure the bracket to the device server with the two included screws.

DIN-Rail Mounting:

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

1. Tilt the unit, making sure that the metal spring located at the back is positioned on top of the DIN rail.

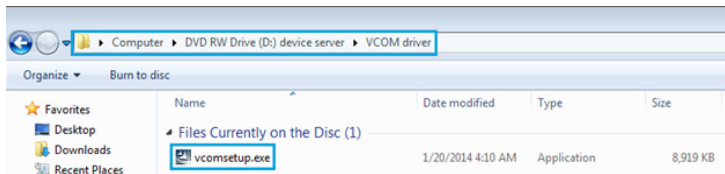2. Push the unit towards the rail until a "click" sound is heard.

Connecting to Terminal Block Power:

The device server is powered by an included Universal Power Adapter, or a 2-wire 10~30V DC power source via the included terminal block.

1. Attach the included power adapter to an AC power source, or follow the below procedure for terminal block power setup.

2. Gently, yet firmly pull the terminal block connector housing from the device server.

3. Using a small flat head screw driver, loosen the screws for 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 housing into the device server

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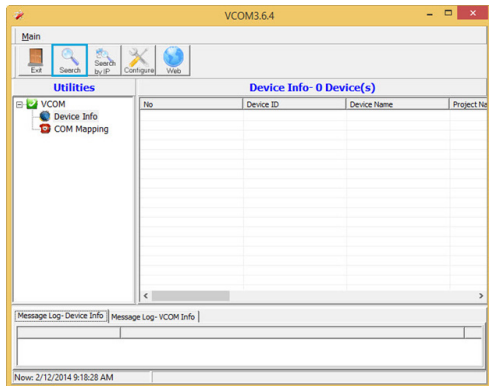
Software Installation

1. Connect the device server's RJ45 interface 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.

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 software window to locate the device.

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3. If required, allow access to the software through the Windows Firewall by clicking the "Allow access" button.

4. Once 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**".

5. In the "Input Attributes" dialog, enter the following:

   • **Account Name:** admin
   • **Password:** 00000

6. Once the device is connected, the "Configure Dialog" will open to set your desired IP settings.

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Configure Dialog

Administrator

IP Address

```
192.168.1.1
```

Subnet Mask

```
255.255.255.0
```

Gateway

```
192.168.1.254
```

DNS

```
192.168.1.254
```

IP Configure

○ Static
○ DHCP

Username

```
admin
```
Only '0-9', 'a-z', 'A-Z' allowed

Password

```
*****
```
Only '0-9', 'a-z', 'A-Z' allowed

Nickname

```
NetSerial
```
Only '0-9', 'a-z', 'A-Z', '_', '-' allowed

UART

Mode

```
RS232
```

Baudrate

```
115200
```

Character Bits

```
8
```

Parity Type

```
none
```

Stop Bit

```
1
```

Hardware Flow Control

7. Once your settings have been customized, click the "OK" button at the bottom of the screen.

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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	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

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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)

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Warranty Information

This product is backed by a two year warranty.

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