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Industrial 1 Port RS232/422/485 to Dual Ethernet Serial Device Server

NETRS232485

*actual product may vary from photos

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Manual Revision: 05/07/2015

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class A 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.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by StarTech.com could void the user's authority to operate the equipment.

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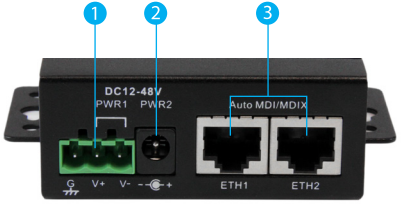
Product Diagram

Front View

1. LED for PWR1
2. LED for PWR2
3. LED for Ethernet Port 1
4. LED for Ethernet Port 2
5. LED for Serial Port

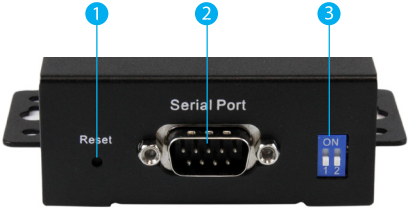
Side 1

1. Terminal Block PWR1 (12~48V DC)
2. Power Jack PWR2 (12~48V DC)
3. 2x Ports RJ45 10/100



Side 2

1. Reset Button
2. DB-9 Serial Port
3. DIP Switch



Introduction

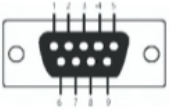
Packaging Contents

- 1x Serial over IP Device Server
- 1x DIN-Rail Kit
- 1x Wall-Mount Kit
- 1x Software CD
- 1x Installation Guide

System Requirements

- Windows® 8 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64), 2000, Windows® Server 2012, 2008 R2, 2003(32/64).

DB-9 Connector Pinout



Pin #	RS 232	RS 422	RS 485 (4 wire)	RS 485 (2 wire)
1	DCD	RXD -	RXD -	
2	RXD	RXD +	RXD +	
3	TXD	TXD +	TXD +	DATA +
4	DTR	TXD -	TXD -	DATA -
5	GND	GND	GND	GND
6	DSR			
7	RTS			
8	CTS			
9	RI			
RS 232 mod act as DTE				

DIP Switch Configuration

DIP 1	DIP 2	Termination Configuration
ON	ON	Termination for long distance 4-wire RS485/422
ON	OFF	Reserved
OFF	ON	Termination for long distance 2-wire RS485
OFF	OFF	No termination for RS485/ 422 (short distance)

Installation

Hardware Installation

The server can be installed on a DIN rail or it can be wall-mounted.

Installation on a DIN-Rail:

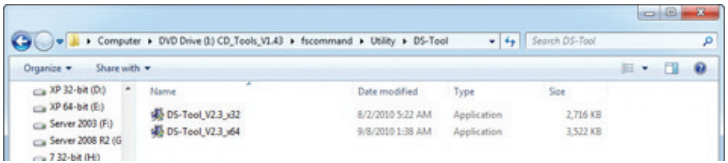
1. Tilt the unit, making sure that the metal spring located at the back is positioned on top of the DIN rail.
2. Push the unit towards the rail until a "click" sound is heard.

Installation on a Wall:

1. Remove the DIN-rail kit, if it is installed on the unit.
2. Install the wall-mount panel included using the 3 screws found in the package.
3. Mount the unit on the wall using the appropriate hardware for the surface you are mounting to.

Software Installation

1. Insert the provided CD into your DVD/CD-ROM drive.
2. Browse to the folder **fscommand\Utility\DS-Tool** and execute the installer **Startech_V1.0_xxxxxxx**.

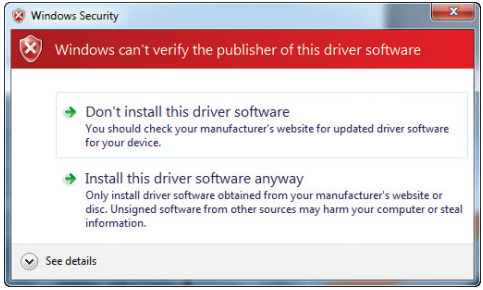


3. Follow the on-screen instructions to complete the installation.

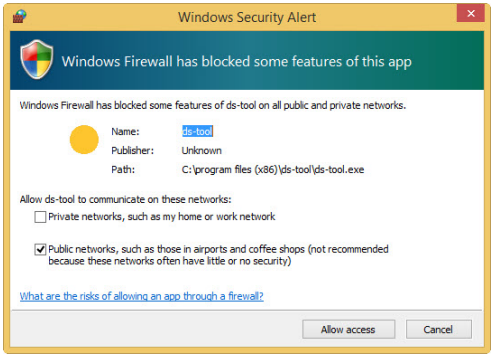
Operation

Using the DS-Tool

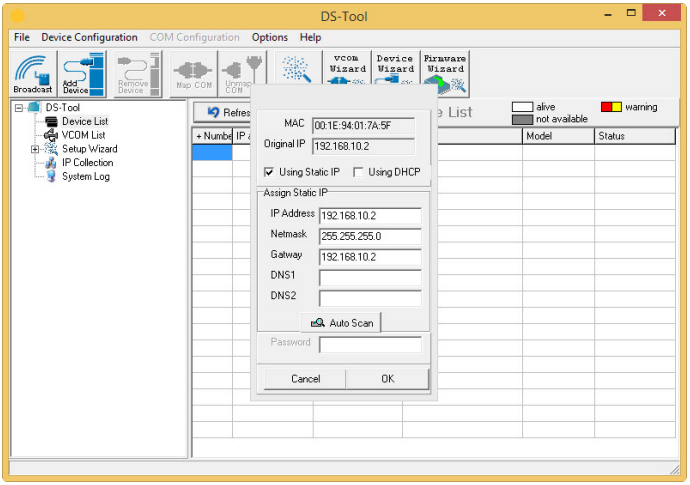
1. Start the DS-Tool, and click I**nstall this driver software anyway**.



2. Allow access to the DS-Tool on the Windows Firewall.



3. Once the utility opens, click the **Broadcast** button to detect the device server. The default IP address of the device is **192.168.10.2**.
4. Once detected, click the checkbox beside the device you would like to configure, and then click the **Add** button to configure your desired IP settings (Static/DHCP).

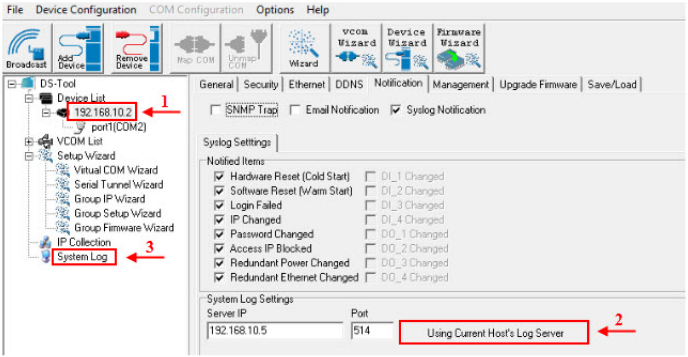


To add a virtual COM port, please use the VCOM Wizard and follow the steps.

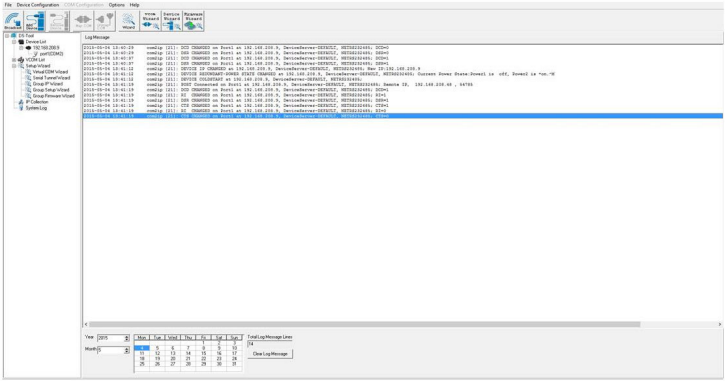
Using the Logging Feature

To use the device server's Logging Feature within the DS-Tool, follow the steps below:

1. In the navigation menu on the left side of the window, under **Device List**, click the IP address for the applicable connected device.
2. To use the current machine for logging, under **System Log Settings**, click **Using Current Host's Log Server**.
3. In the navigation menu on the left side of the window, click **System Log**.



4. The log data is displayed in the DS-Tool, under **Log Message**.



Specifications

Interface	Serial
Ports	1
Supported Protocols	IICMP, IP, TCP, UDP, DHCP, BOOTP, ARP/RARP, DNS, SNMP MIB II, HTTPS, SSH
Connectors	1x DB-9 male, 2x RJ-45 1x DC Power 1x 3pin Terminal Block
LED Indicator(s)	2x Ethernet Link, PWR1,PWR2, Serial
Supported Serial Protocols	RS232/422/485
Ethernet Link Speed	10/100 Mbps
Maximum Baud Rate	460.8 Kbps
Power Input	Terminal Block: 12 ~ 48VDC in 3-pin 12 ~ 48VDC, center positive, power jack plug
Enclosure Material	Metal
Operating Temperature	-40 to 70°C (-40 to 158°F)
Storage Temperature	-40 to 85°C (-40 to 185°F)
Humidity	5% to 95% Non-condensing
Dimensions	124mm x 73mm x 30mm
Weight	327 g
Compatible Operating Systems	Windows® 8 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64), 2000,Windows® Server 2012, 2008 R2, 2003(32/64)

Technical Support

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For the latest drivers/software, please visit **www.startech.com/downloads**

Warranty Information

This product is backed by a five-year warranty.

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