

## 1 Port Industrial RS232/422/485 Wireless/ Wired Serial Device Server

NETRS232485W



\*actual product may vary from photos

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FR: Guide de l'utilisateur - [fr.startech.com](http://fr.startech.com)

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## 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.

FCC ID: WHD-DS-11-WG

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.

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC Radiation Exposure Statement:

This equipment complies with IC RSS-102 radiation exposure limit set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Déclaration d'exposition à la radiation:

Cet équipement respecte les limites d'exposition aux rayonnements IC définies pour un environnement non contrôlé. Cet équipement doit être installé et mis en marche à une distance minimale de 20 cm qui sépare l'élément rayonnant de votre corps.

L'émetteur ne doit ni être utilisé avec une autre antenne ou un autre émetteur ni se trouver à leur proximité.

IC: 11232A-NETRS232485W

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# Product Diagram

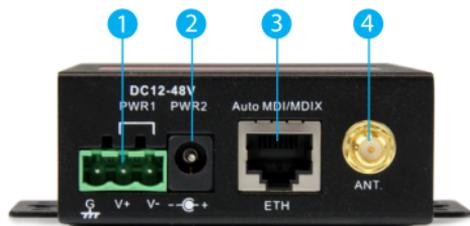
## Front View

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



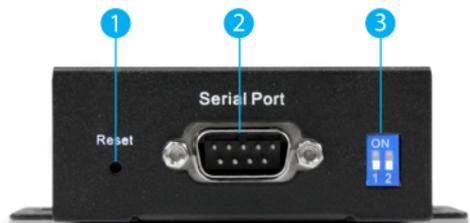
## Side 1

1. Terminal Block PWR1 (12~48V DC)
2. Power Jack PWR2 (12~48V DC)
3. Port RJ45 10/100
4. Reverse SMA Connector for the Antenna



## Side 2

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



# Introduction

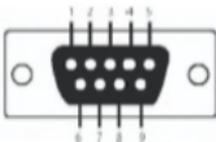
## Packaging Contents

- 1x Serial over IP Device Server
- 1x2dBi Antenna
- 1x DIN-Rail Kit
- 1x Wall-Mount Kit
- 1x Software CD
- 1x Installation Guide

## System Requirements

- System Requirements
- Windows® 8 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64), 2000, Windows® Server 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:

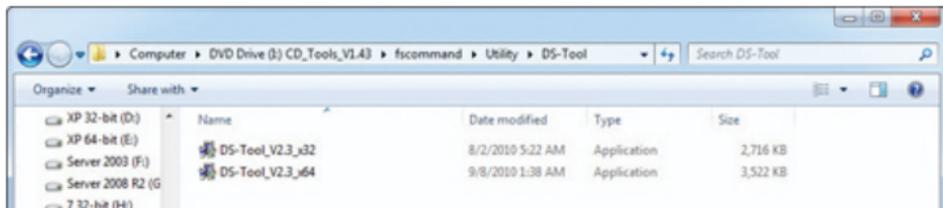
1. Tilt the unit, making sure that the metal spring located at the back is positioned on top of the DIN rail.
2. Push the unit towards the rail until a “click” sound is heard.

### 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”

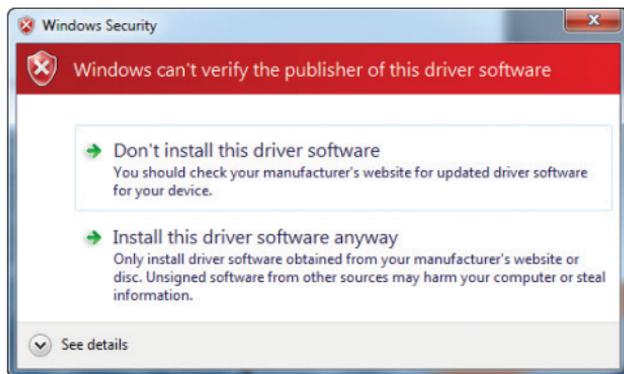


3. Follow the on-screen instructions to complete the installation.

# Operation

For full operation instructions, please visit [www.startech.com/NETRS232485W](http://www.startech.com/NETRS232485W)

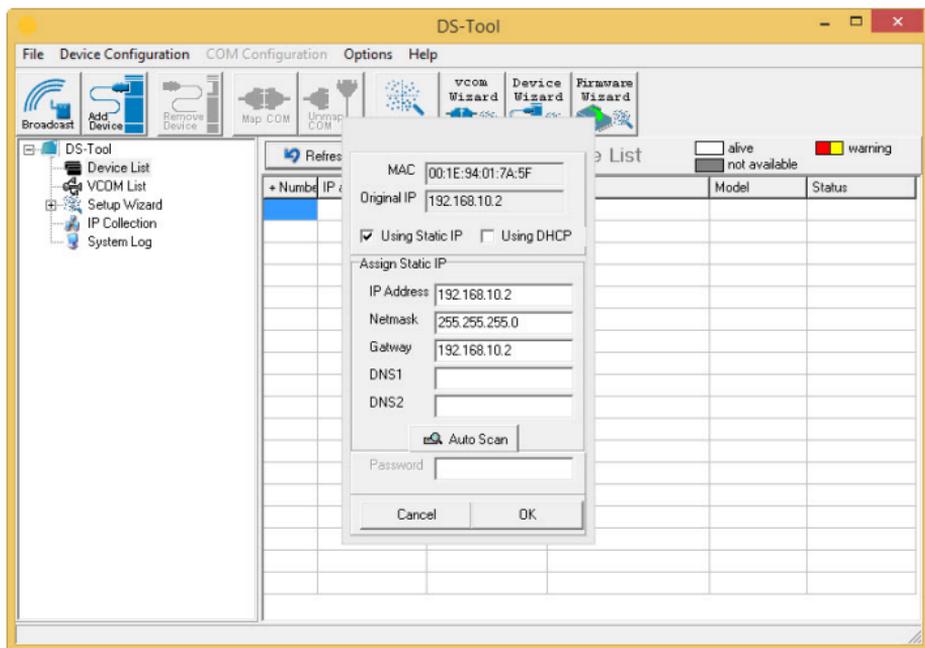
1. Start the DS-Tool, allow the install of the driver



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.

# Specifications

<b>Interface</b>	Serial
<b>Ports</b>	1
<b>Supported Protocols</b>	ICMP, IP, TCP, UDP, DHCP, BOOTP, ARP/RARP, DNS, SNMP MIB II, HTTPS, SSH
<b>Connectors</b>	1x DB-9 male, 1x RJ-45 1x Reverse SMA Connector 1x DC Power 1x 3pin Terminal Block
<b>LED Indicator(s)</b>	1x Ethernet Link, PWR1,PWR2, Wireless LAN, Serial
<b>Supported Serial Protocols</b>	RS232/422/485
<b>Ethernet Link Speed</b>	10/100 Mbps
<b>Wireless LAN Standards</b>	IEEE802.11b/IEEE802.11g
<b>Maximum Baud Rate</b>	230.4 Kbps
<b>Power Input</b>	Terminal Block: 12 ~ 48VDC in 3-pin 12 ~ 48VDC, center positive, power jack plug
<b>Enclosure Material</b>	Metal
<b>Operating Temperature</b>	-10 to 65°C (14 to 149°F)
<b>Storage Temperature</b>	-40 to 85°C (-40 to 185°F)
<b>Humidity</b>	5% to 95% Non-condensing
<b>Dimensions</b>	124mm x 73mm x 30mm
<b>Weight</b>	346 g
<b>Compatible Operating Systems</b>	Windows® 8 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64),Windows® Server 2012, 2008 R2, 2003(32/64)

# Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit [www.startech.com/support](http://www.startech.com/support) and access our comprehensive selection of online tools, documentation, and downloads.

For the latest drivers/software, please visit [www.startech.com/downloads](http://www.startech.com/downloads)

## Warranty Information

This product is backed by a three year warranty.

In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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