

## Industrial 4 Port RS232/422/485 to Dual Ethernet Serial Device Server - PoE PD

NETRS42348PD



\*actual product may vary from photos

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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.

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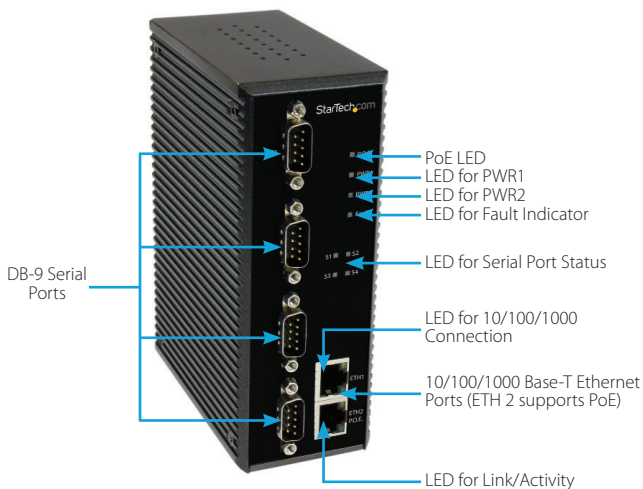
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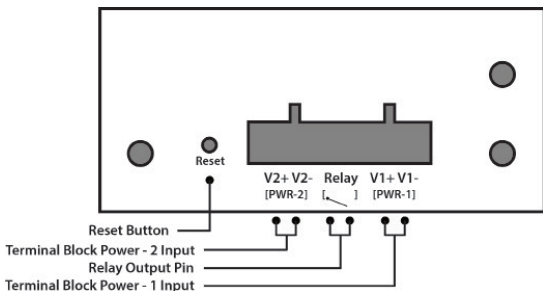
# Product Diagram

## Front View

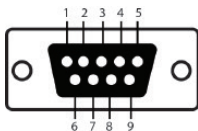


## Terminal Block Power Connector

The device server can be powered using a PoE connection, or using the Terminal Block Power connector as outlined below.



## DB-9 Connector Pinout



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

# Introduction

## Packaging Contents

- 1x Serial Device Server Unit
- 1x DIN Rail Kit
- 1x Wall-Mount Kit/ Screws
- 2x RJ-45 Dust Covers
- 1x Quick Installation Guide
- 1x Software CD

## System Requirements

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

# Installation

## Hardware Installation

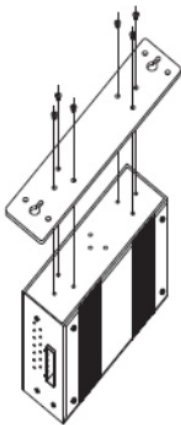
The server can be installed on a DIN rail or it can be wall-mounted.

### 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 preinstalled on the unit.
2. Install the wall-mount panel included using the 6 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 “fsccommand\Utility\DS-Tool” and execute the installer “Startech\_V1.0\_XXXXXX”
3. Follow the on-screen instructions to complete the installation.

## Operation

1. Open the DS-Tool to install the driver.
2. Allow access to the DS-Tool on the Windows Firewall.
3. When the utility opens, click the “Broadcast” button to detect the device server. The default IP address of device is “192.168.10.2”.
4. Once detected, click the check box beside the device you would like to configure, 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>                        | 4  |
| <b>Supported Protocols</b>          | ICMP, IP, TCP, UDP, DHCP, BOOTP, ARP/RARP, DNS, SNMP MIB II, HTTPS, SSH                                    |
| <b>Connectors</b>                   | 4x DB-9 male,<br>1x RJ-45<br>1x Power over Ethernet RJ-45<br>1x 6pin Terminal Block                        |
| <b>LED Indicator(s)</b>             | 2x Ethernet Link, P.O.E, PWR1,PWR2, fault,<br>S1, S2, S3, S4   |
| <b>Supported Serial Protocols</b>   | RS232/422/485  |
| <b>Ethernet Link Speed</b>          | 10/100/1000 Mbps   |
| <b>Maximum Baud Rate</b>            | 110 bps to 921.6 Kbps  |
| <b>Power Input</b>                  | Terminal Block: 12~48VDC   |
| <b>Enclosure Material</b>           | Metal  |
| <b>Operating Temperature</b>        | -10 to 70°C (14 to 158°F)  |
| <b>Storage Temperature</b>          | -40 to 85°C (-40 to 185°F)   |
| <b>Humidity</b>                     | 5% to 95% Non-condensing   |
| <b>Dimensions</b>                   | 106.1mm x 52mm x 144.3 mm  |
| <b>Weight</b>                       | 745 g  |
| <b>Compatible Operating Systems</b> | Windows® 8 (32/64bit), 7 (32/64),<br>Vista(32/64), XP(32/64),Windows® Server<br>2012, 2008 R2, 2003(32/64) |

# Technical Support

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This product is backed by a five year warranty.

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