



# ALL-SDS102v2

RS232/422/485/Modbus to Network Converter



## Quick Installation Guide

## Default values:

IP-Address	192.168.0.7
Username	admin
Password	admin

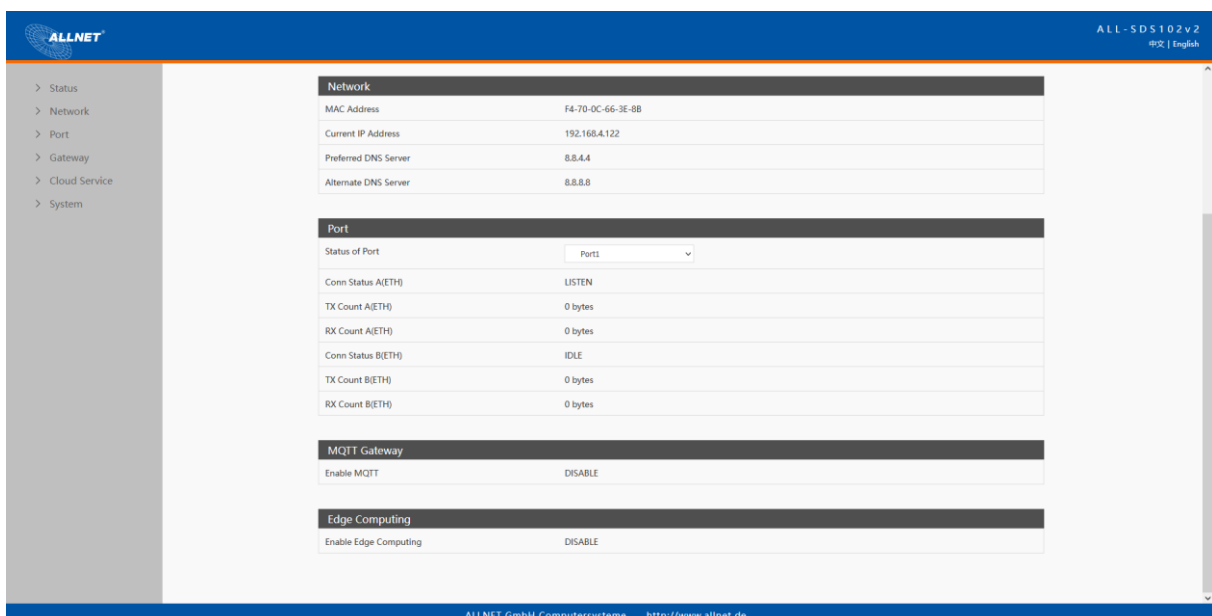
### **Please mind:**

To access the web interface of the device you have to change your network cards IP address to a static one (e.g. 192.168.0.15). After that you can access the device.

After configuring your network cards IP successfully you can access the devices web interface in your browser. To do that open up a browser and enter following address 192.168.0.7. Afterwards log in with the username "admin" and the password "admin". The web interface will be visible after logging in.

### **Reset to Factory Defaults:**

Should you forget the IP-address or your access data for your ALL-SDS102v2 you can reset your device to factory defaults. To do that press the reset button (Reload button) on the device for 15 seconds. After that the device is accessible via the default values.



The screenshot displays the web interface of an ALLNET device, specifically the configuration page for the ALL-SDS102v2. The interface is in English and features a blue header with the ALLNET logo and the device model name. A sidebar on the left contains navigation options: Status, Network, Port, Gateway, Cloud Service, and System. The main content area is divided into several sections:

- Network:** A table showing network parameters: MAC Address (F4-7D-0C-66-3E-8B), Current IP Address (192.168.4.122), Preferred DNS Server (8.8.4.4), and Alternate DNS Server (8.8.8.8).
- Port:** A section for configuring the network port. It includes a dropdown menu for 'Status of Port' (set to Port1), and status and statistics for two Ethernet ports (A and B). For both ports, the connection status is 'LISTEN' or 'IDLE', and TX/RX counts are 0 bytes.
- MQTT Gateway:** A section with a single toggle switch for 'Enable MQTT', which is currently set to 'DISABLE'.
- Edge Computing:** A section with a single toggle switch for 'Enable Edge Computing', which is currently set to 'DISABLE'.

At the bottom of the interface, there is a footer with the text: ALLNET GmbH Computersysteme <http://www.allnet.de>

# 1. Frontpanel & Ports



Number	Definition
1	Serial operating mode Port 1
2	Serial Port 1
3	Serial operating mode Port 2
4	Serial Port 2

## 2. Backpanel



Number	Definition
1	Reload-Button (Press 15 seconds to perform a Factory Reset)
2	RJ45-Port (10/100 Mbit)
3	TX1 (flashing, if Port 1 sends data)
4	RX1 (flashing, if Port 1 receives data)
5	TX2 (flashing, if Port 2 sends data)
6	RX2 (flashing, if Port 2 receives data)
7	Power-LED
8	Function-LED (flashing every second, if everything is OK)
9	DC-connecting terminal (5-36V; left +, right -)
10	DC-connection (5-36V, + pole inside)

### **3. DIP-Switches**

#### **RS232-Setting**

Both DIP-Switches "ON" (both downward):



#### **RS485-Setting**

Both DIP-Switches "OFF" (both upward):

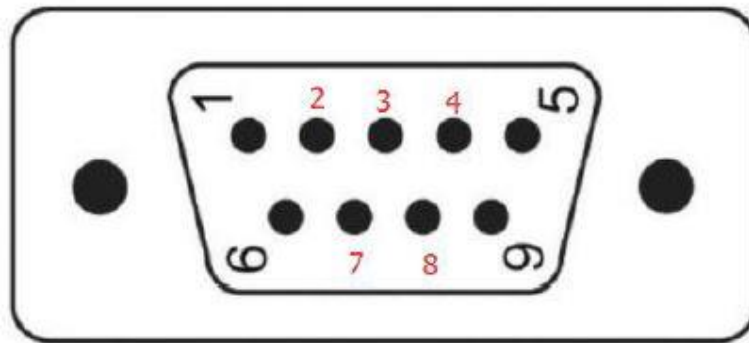


#### **RS422-Setting**

Left DIP-Switch "ON" (downward) and right DIP-Switch "OFF" (upward):



## 4. DB9 Pin Description



### RS232:

PIN	Definition
2	RX
3	TX
5	GND
7	RTS
8	CTS

### RS485:

PIN	Definition
3	B-
7	A+

### RS422:

PIN	Definition
2	RX+
3	RX-
5	GND
7	TX+
8	TX-

Only change the DIP-Switches when the device is turned off!

## 5. Safety Instructions

Please be sure to observe the following instructions:

### General notes



- Only use the device for the purpose it was designed.
- Only use the device as described in the Quick Start Guide or manual.
- Any other use is considered improper and may result in property damage.
- Neither ALLNET® nor the dealer accepts liability for damage caused by improper or incorrect use.
- All safety instructions must be read through.
- The manual should be kept for future reference.

### Notes on using the plug-in power supply unit



- The power supply unit may only be connected to a mains voltage of **100-240 V, 50/60Hz**
- Connect the unit only to properly installed and grounded power outlets.
- Do not touch the plug-in power supply unit with wet hands, risk of electric shock.
- In the event of smoke or odor coming from the housing or malfunctions, immediately disconnect the plug-in power supply from the socket.



- Connect the power supply only after the device has been installed.
- Avoid the use of multi-sockets.
- Ensure that cables are laid so that they cannot be tripped over or stepped on.
- The device remains powered even if the device is switched off. If the device is not in use for a longer period of time, disconnect the power supply from the socket.

## Mounting instructions

### **WARNING**

- NEVER place the device near radiators, air conditioners or water sources. This greatly increases the risk of electric shocks, short circuits or fire.
- The humidity should be between 20% and 80%, otherwise condensation may occur.
- Protect the device from direct sunlight, extreme heat, open fire and dust. Otherwise, the risk of electric shocks, short circuits or fire increases.
- Never place the device on surfaces that are sensitive to heat.
- Do not use the device in damp rooms and under no circumstances in potentially explosive areas.
- The device is designed for use in enclosed spaces.

## Operating notes

### **ATTENTION**

- Operate the device only with the voltage indicated on the device or on the included power supply unit.
- Any batteries present are only to be replaced with the same or an equivalent type.
- Do not use obviously defective devices. If the unit does not operate normally – especially if unusual odors or noises occur – unplug the power cord from the socket immediately.
- Never expose the device to direct sunlight during operation.
- Never operate the device near sources of heat.
- Protect the device from moisture, dust, liquids and vapors.
- Never open the device.
- Work on the device may only be carried out when the device has been disconnected from its power source.
- The device may only be operated by persons who have read the instructions or have been instructed in its operation by a competent person.



## Instructions for repair and maintenance.



### RISK

- Repairs may only be carried out by trained, authorized personnel.
- Regular maintenance is not necessary.
- Never open the device.
- For cleaning work, disconnect the device from its power source.
- Do not use any cleaning agents containing solvents for cleaning, but only a soft, dry antistatic cloth.
- It is forbidden to make any modifications to the unit.
- Damaged devices or damaged components may no longer be used.



### NOTE

ALLNET GmbH Computersysteme declares that the device **ALL-SDS102v2** is in compliance with the essential requirements and other relevant provisions of Directive 2014/30/EU. The Declaration of conformity can be found under this link:  
<http://ce.allnet.de>

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CE Marking is the symbol as shown above. The letters "CE" are the abbreviation of the French phrase "Conformity European" which literally means "European Conformity". The terms initial use was as the "EC Mark". With the Directive 93/68/EEC from 1993 it was officially replaced by the "CE Marking". Nowadays the "CE Marking" is used in all EU official documents.



## NOTE



DE13101093

This symbol on the product or on its packaging indicate that this product is not to be disposed with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of electrical waste or electronic equipment. The separate collection and recycling of your waste equipment will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and environment. For more information about where you can dispose your waste equipment, please contact your local city office, your household disposal service or the shop where you purchased the product.



This recycle logo indicates that this product can be recycled, not that the product has been recycled. It is possible that this device will not be accepted in all recycling collection systems.



The recycling codes are used to guarantee the correct handling of waste. It is an internationally recognized classification that assigns a unique number to each waste material. This number provides information on how the waste material can best be recycled to ensure the least possible impact on the environment. The code PAP 22 describes these instructions for the device, which were printed on paper. They should be disposed of through the usual recycling channels, such as waste paper collection points.



The RoHS directive aims to restrict certain dangerous substances commonly used in electronic and electronic equipment. This RoHS compliant symbol indicate the component is tested for the presence of Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Hex-Cr), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE). For Cadmium and Hexavalent chromium, there must be less than 0.01% of the substance by weight at raw homogeneous materials level. For Lead, PBB, and PBDE, there must be no more than 0.1% of the material, when calculated by weight at raw homogeneous materials. Any RoHS compliant component must not have more than 100 ppm of mercury and the mercury must not have been intentionally added to the component.