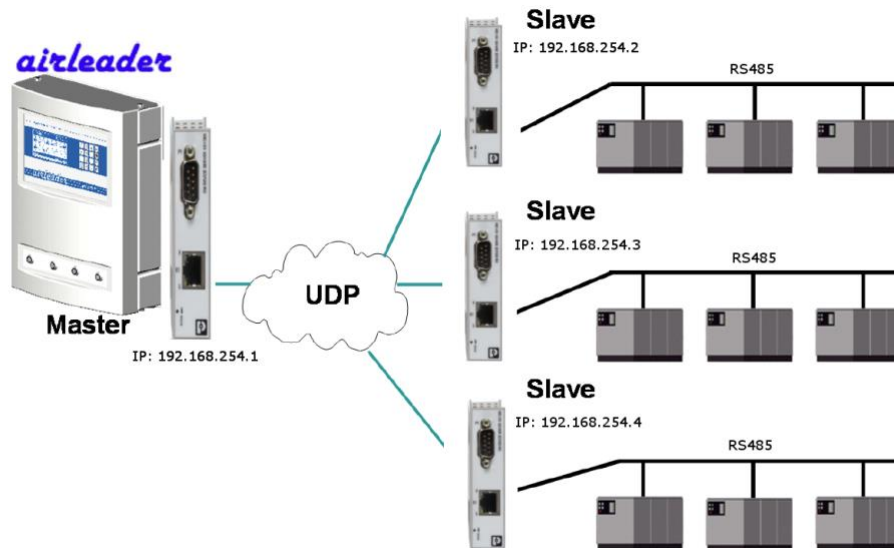


Airleader Programming Instructions new COM-Server (GW Device Server)



Starting with Airleader Master Model 2404, we offer the option to have the COM-Server Master integrated into in the Airleader Master. The Article Number is 4530. In addition do we offer a new COM-Server Model 9023-Uni. This new Phoenix Contact GW Device Server are a replacement of the FL COM Server PRO.

Below you will find an overview of the programming of the GW Device Server for the above example. In this example, only one network segment is involved, but it is possible, as with FL COM Server PRO, to send and receive data across network boundaries, since no multidrop is used here, but individual connections are established. The programming of the master and 1 slave are listed here. The 2nd and 3rd slave are then to be programmed based on the first slave.

General:

The GW Device Servers have the factory IP address 192.168.254.254.

The web interface is accessed via <https://192.168.254.254>.

Your browser will first show you a message that access is not secure.

This is due to the self-signed certificate within the COM server. The message states that the certificate has not been checked by an authorized certification authority, but the data is nevertheless encrypted. (see example end of the document).

Please click on load website anyway!

Enter Username and Password:

User: Admin

Passwort: admin

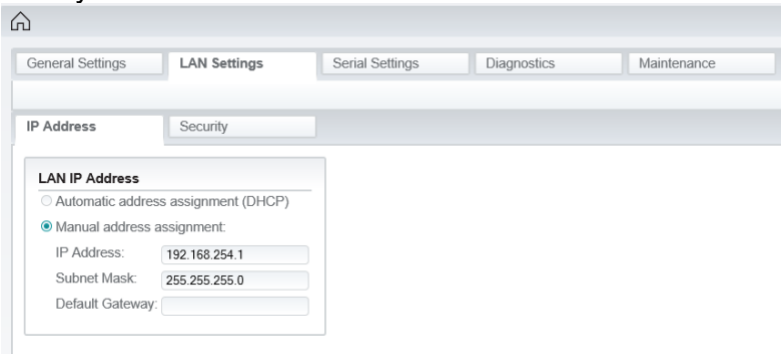
Log In

User Name:

Password:

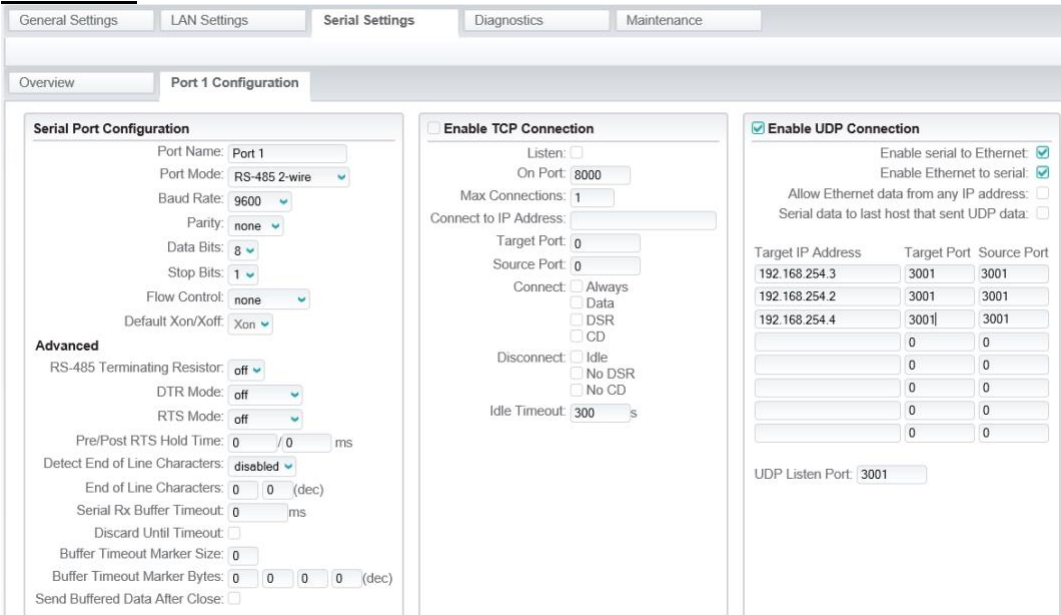
LAN-Settings:

here you set the IP address off he GW device.



The screenshot shows the 'LAN Settings' tab in a web interface. Under the 'IP Address' sub-tab, the 'LAN IP Address' section has 'Manual address assignment' selected. The fields are: IP Address: 192.168.254.1, Subnet Mask: 255.255.255.0, and Default Gateway: (empty).

Serial Settings: **MASTER**



The screenshot shows the 'Serial Settings' tab in a web interface, specifically the 'Port 1 Configuration' sub-tab. It is divided into three main sections:

- Serial Port Configuration:** Port Name: Port 1, Port Mode: RS-485 2-wire, Baud Rate: 9600, Parity: none, Data Bits: 8, Stop Bits: 1, Flow Control: none, Default Xon/Xoff: Xon. Advanced settings include RS-485 Terminating Resistor: off, DTR Mode: off, RTS Mode: off, Pre/Post RTS Hold Time: 0 / 0 ms, Detect End of Line Characters: disabled, End of Line Characters: 0 0 (dec), Serial Rx Buffer Timeout: 0 ms, Discard Until Timeout: (empty), Buffer Timeout Marker Size: 0, Buffer Timeout Marker Bytes: 0 0 0 0 (dec), Send Buffered Data After Close: (empty).
- Enable TCP Connection:** Listen: (empty), On Port: 8000, Max Connections: 1, Connect to IP Address: (empty), Target Port: 0, Source Port: 0. Connect options: Always (checked), Data, DSR, CD. Disconnect options: Idle, No DSR, No CD. Idle Timeout: 300 s.
- Enable UDP Connection:** Enable serial to Ethernet: (checked), Enable Ethernet to serial: (checked), Allow Ethernet data from any IP address: (empty), Serial data to last host that sent UDP data: (empty). A table lists Target IP Address, Target Port, and Source Port. The first three rows have Target IP addresses 192.168.254.3, 192.168.254.2, and 192.168.254.4, all with Target Port 3001 and Source Port 3001. The remaining rows have 0 for all fields. UDP Listen Port: 3001.

Select: „Port 1 Configuration“

RS 485 2-wire

Baudrate: 9600

Parity: none

Databits: 8

Stopbits: 1

Flow Control: none

All other settings in the first block are irrelevant.

Deactivate all checkboxes in block 2 "Enable TCP Connection".

Tick "Enable UDP Connection" in block 3.

Tick "Enable serial to Ethernet" and "Enable Ethernet to serial".

Enter IP addresses for all slaves with target port and source port 3001.

Set the UDP listen port to 3001.

Serial Settings:
SLAVE

Under "Port 1 Configuration" select
RS 485 2-wire
Baud rate: 9600
Parity: none
Data bits: 8
Stop bits: 1
Flow Control: none
All other settings in the first block are irrelevant.

Deactivate all checkboxes in block 2 "Enable TCP Connection".
Tick "Enable UDP Connection" in block 3.
Tick "Enable serial to Ethernet" and "Enable Ethernet to serial".
Enter the IP address for the master with target port and source port 3001.
Set the UDP listen port to 3001.
Program all other slaves equivalently.

Connection:
Connection cable included:
Braun: Data +
Weiß: Data -
Schwarz: GND



Steps to get to the unsecure Web-S

