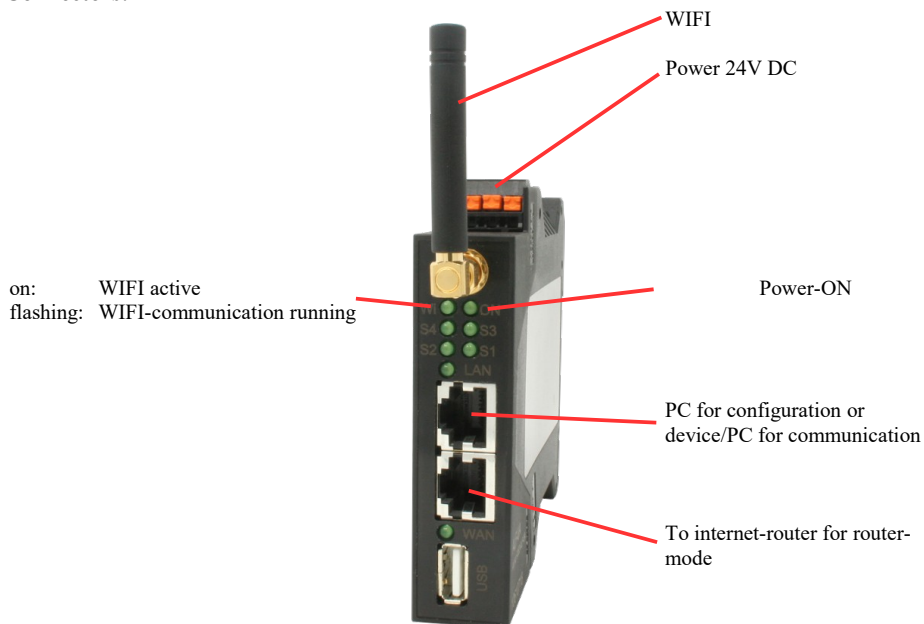


Handling-short-instruction V1.0 for

ALF-UA industrial Wifi-router

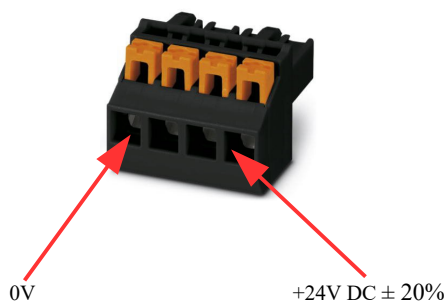
Connectors:



Power connection:

Voltage: 24 V DC \pm 20%
 Power: 1,2W

Pinning voltage connector:



Initial start-up:

- ALF-UA creates a WLAN network with an SSID „ALF-UA“ with active DHCP master (laptop is automatically assigned an IP address)
- Connect laptop to this WiFi network and open with browser webserver with IP: <http://192.168.2.1>

or

- Connect the PC to the LAN port using a LAN cable
- PC must be in the 192.168.2.xxx subnet
- Open with browser the webserver with IP: <http://192.168.2.1>

User name: admin
Password: admin

Home page :

The screenshot shows the 'Overview' page of the ALF-UA web interface. On the left is a sidebar with icons for STATUS, Overview, and settings. The main content area is divided into two panels. The left panel, titled 'Service', lists device information: Device Name (ALF-UA), Serialnumber (-), Version (FW: 0.0.0.0.0), Network Mode (AP Router), CPU Load Averages (25.27%), and Memory Usage (27064 KB / 61440 KB). The right panel, titled 'Overview', contains two sub-sections: 'WAN / Internet' with fields for IP Address and Subnet Mask, and 'LAN / Local Network' with fields for IP Address (192.168.2.1) and Subnet Mask (255.255.255.0).

Menu network :

4 operating modes are possible with the ALF-UA :

- AP Router is an access point with LAN and WAN port (separate subnets)
- AP Bridge is ACCESS-Point with 2 LAN sockets (WIFI and LAN sockets bridged)
- Client Router is WIFI client with LAN and WAN port (separate subnets)
- Client Bridge is WIFI client with 2 LAN sockets (WIFI and LAN sockets bridged)

==> Access point opens a WIFI network, client connects to an existing WIFI network .

All 4 modes can be parameterized and saved in parallel, you determine which mode is active :

The screenshot shows the 'NETWORK' configuration page for the 'AP Router' mode. The left sidebar has icons for AP Router, AP Bridge, Client Router, and Client Bridge, with 'AP Router' selected. The main area is divided into two panels. The left panel, 'WAN / Internet', shows 'Connection Type' set to 'Static' (with 'DHCP' also available), 'Host Name' set to 'ALF-UA', and 'DNS Server' set to 'Default'. The right panel, 'LAN / Local Network', shows 'Router IP' (192.168.2.1), 'Subnet Mask' (255.255.255.0), and 'Spanning Tree' (disabled). Below this is the 'DHCP Settings' section, where 'DHCP Server' is enabled, and 'Local Domain Name', 'Start IP' (192.168.2.100), 'End IP' (192.168.2.200), and 'Guaranteed duration' (12 hours) are configured. The 'WLAN Access Point' section shows 'Enabled' (checked), 'Access Point SSID' (ALF-UA), and 'Broadcast SSID' (checked). The 'Encryption Settings' section shows 'WPA2 PSK' selected. At the bottom, 'Routing to WAN' is disabled.

You need the following modes for the following situations :

Situation	AP Router	AP Bridge	Client Router	Client Bridge	Peculiarity
With a laptop around the S5/7-PLC + ALF-UA	X	---	---	---	PLC via S5/7-LAN to LAN port
With a laptop around the S5/7-PLC + ALF-UA	---	X	---	---	PLC via S5/7-LAN to LAN port Another LAN participant on the WAN port
Bring the S5/7-PLC or LAN device into the existing WIFI network	---	---	X	---	PLC via S5/7-LAN / LAN-device on LAN port
Bring the S5/7-PLC or LAN device into the existing WIFI network	---	---	---	X	PLC via S5/7-LAN / LAN-device on LAN port Another LAN participant on the WAN port
Extend LAN route Attention: 2 devices required		X		X	One device as AP Bridge and the second as Client Bridge

After selecting the configuration, save it in the device and after restarting the device, it can be used in the selected operating mode.

You can find more about the operating modes in the device manual on the product page of the ALF-UA .

<https://www.tpa-partner.de>

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Menutree Website:

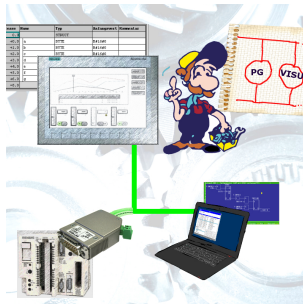
- + Products / docu / downloads
- + Hardware
 - + Programming devices
 - + Programming adapter S7
 - + WLAN/WIFI
 - + Profinet PLCs / Ethernet-CPs
 - + ALF-Devices
 - + ALF-UA

QR-Code Website:



Please make sure to update your drivers before using our products.

Profinet-panel directly on S5-PLC



Replace defective panels in your "old" S5-systems with current and available S7-panels

To do this, simply insert a placeholder PLC (e.g. 315-2-PN / DP) in the WinCC-project, the IP-address of the PLC corresponds to the IP-address of the S5-LAN++-module. You can then visualize the data as usual.

At the same time, the PLC can also be programmed/monitored via the network.