Using S7-LAN with an ALF as a WLAN Router

24V power source

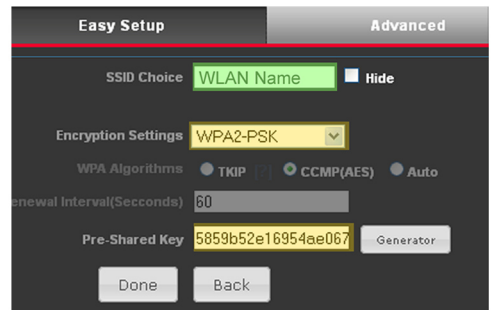patch cable
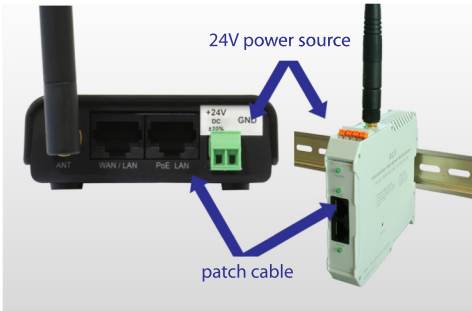
1 Connect the 24V power source and the computer to configure
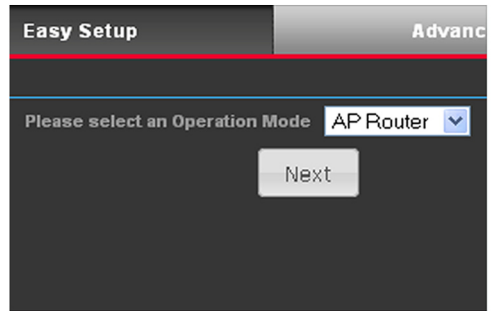
2 Select „AP-Router" on menu „Easy Setup"
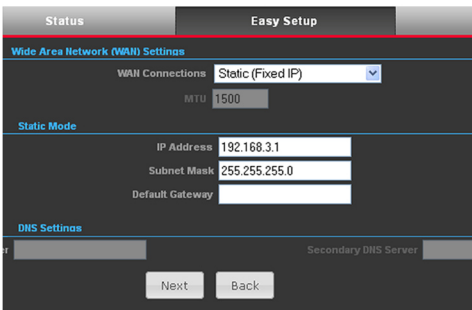
3 Configure your IP address and subnet mask

4 Now configure your networkname and encryption
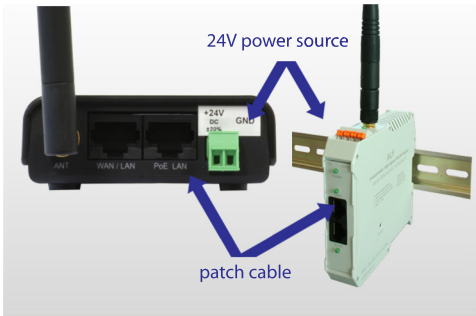
Our recommended encryption is WPA2

5 Connect the S7-LAN with a patch cable
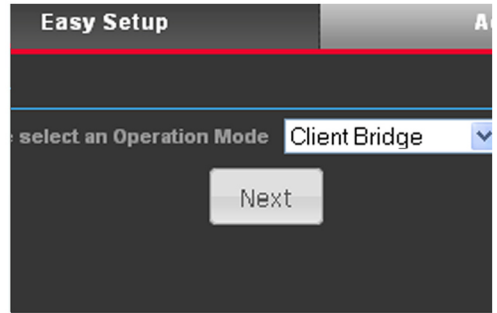Your S7-LAN is now available from every WLAN participants

6 Installing TIC driver

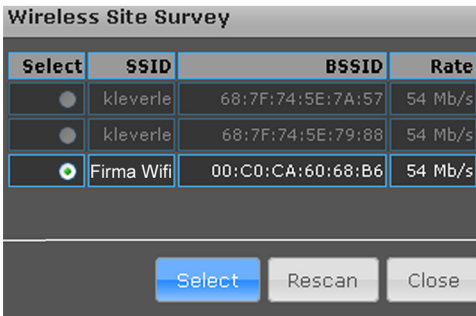TIC driver avaiable on www.tpa-partner.de
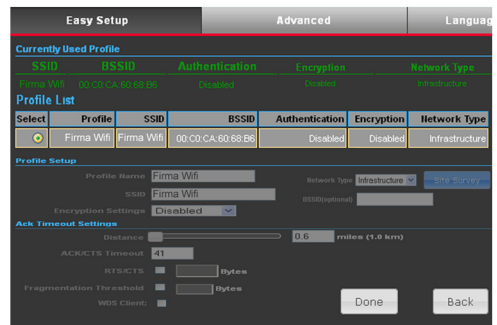
Integrate a S7-LAN in a avaiable WLAN with an ALF

24V power source

patch cable

1 Connect the 24V power source and the computer to configure

Easy Setup

select an Operation Mode   Client Bridge

Next

2 Select „Client Bridge" on menu „Easy Setup"

Wireless Site Survey

Select	SSID	BSSID	Rate
○	kleverle	68:7F:74:5E:7A:57	54 Mb/s
○	kleverle	68:7F:74:5E:79:88	54 Mb/s
◉	Firma Wifi	00:C0:CA:60:68:B6	54 Mb/s

Select   Rescan   Close

3 Press „Site Survey" to search every WLAN and select your WLAN

4 Select your WLAN and enter your passwort. Press „Done" to confirm

5 Connect the S7-LAN with a patch cable
Every network has to be in the same IP area
Your Module is now integrated

6 Installing TIC driver

TIC driver avaiable on www.tpa-partner.de

Integrate a S5-LAN++ in a avaiable WLAN with an ALF

24V power source

patch cable

1 Connect the 24V power source and the computer to configure

Easy Setup A

select an Operation Mode | Client Bridge |

Next

2 Select „Client Bridge" on menu „Easy Setup"

Wireless Site Survey

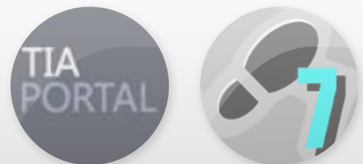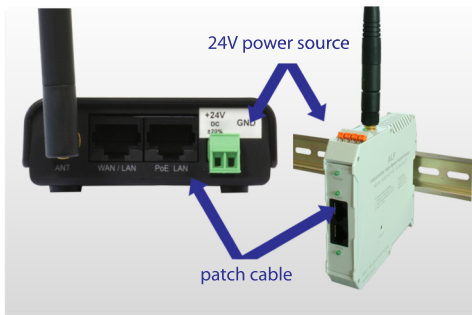| Select	SSID	BSSID	Rate
○	kleverle	68:7F:74:5E:7A:57	54 Mb/s
○	kleverle	68:7F:74:5E:79:88	54 Mb/s
◉	Firma Wifi	00:C0:CA:60:68:B6	54 Mb/s

Select   Rescan   Close

3 Press „Site Survey" to search every WLAN and select your WLAN

4 Select your WLAN and enter your passwort. Press „Done" to confirm

5 Connect the S5-LAN++ with a patch cable
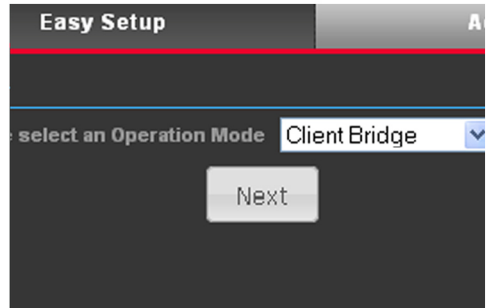Every network has to be in the same IP area
Your Module is now integrated

Step 5

6 Installation:
- S5-Patch for original Step5
- PLCVCOM (virtual COM-Port)
Tools available on
www.tpa-partner.de

Using S5-LAN++ with an ALF as a WLAN Router

24V power source

patch cable

1 Connect the 24V power source and the computer to configure

Easy Setup   Advanc

Please select an Operation Mode   AP Router ▾
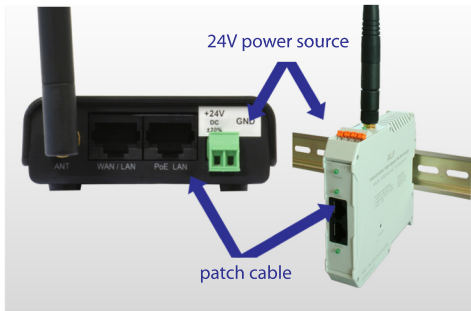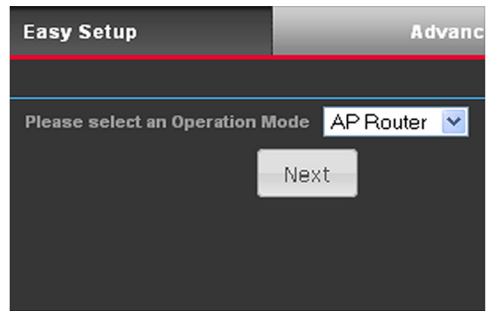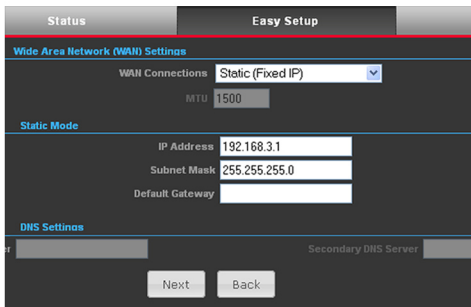
Next

2 Select „AP-Router" on menu „Easy Setup"

Status   Easy Setup

Wide Area Network (WAN) Settings

WAN Connections   Static (Fixed IP) ▾
MTU   1500

Static Mode

IP Address   192.168.3.1
Subnet Mask   255.255.255.0
Default Gateway

DNS Settings

Secondary DNS Server

Next   Back

3 Configure your IP address and subnet mask

Easy Setup   Advanced

SSID Choice   WLAN Name   ☐ Hide

Encryption Settings   WPA2-PSK ▾

WPA Algorithms   ○ TKIP   ◉ CCMP(AES)   ○ Auto

Renewal Interval(Secconds)   60

Pre-Shared Key   5859b52e16954ae067   Generator

Done   Back

4 Now configure your networkname and encryption

Our recommended encryption is WPA2

5 Connect the S5-LAN++ with a patch cable
Your S5-LAN++ will get an IP from the DHCP server and is now available from every WLAN participants

Step 5

6 Installation:
- S5-Patch for original Step5
- PLCVCOM (virtual COM-Port)
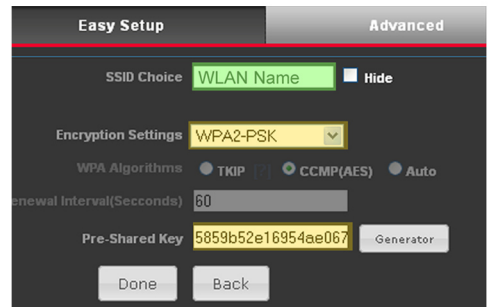Tools available on
www.tpa-partner.de

Under the web-address https://www.process-informatik.de are product specific documentations or software-driver/-tools available to download. If you have questions or suggestions about the product, please don't hesitate to contact us.

Menutree Website: **QR-Code Website:**
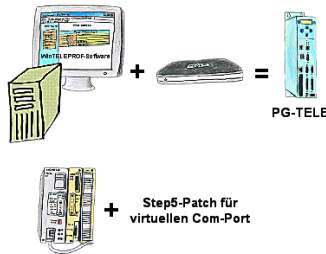
+ Products / docu / downloads
   + Hardware
      + Programming devices
         + Programming adapter S7
            + WLAN/WIFI
               + Profinet PLCs / Ethernet-CPs
                  + ALF-Devices
                     + ALF

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

Your're using the devices of the Tele-Network-family and don't want to have a device standing on the table? No problem. Install the WinTELEPROF-software on your PC and after link connection access to your Step5/7-programming software (also Siemens) via a virtual Com-Port.

At Step5 the Step5-software is going to be patched, then working with the virtual Com-Port will be also possible.

Remote maintenance of centralized PLC-devices
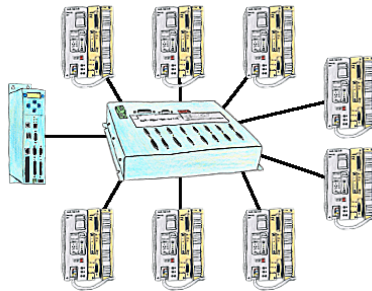
You have many PLC and you want to programm them central on one place? No problem, you have to connect them all to the KOR/MUX-Tele-Switch, connect it with the TP-II and after telephone connect you will be able with the PD-bus-selection of your Step5-software to go ONLINE. Of course the MOR/MUX-Tele-Switch is cascadable, so you can connect up to 30 PLCs to the devices.
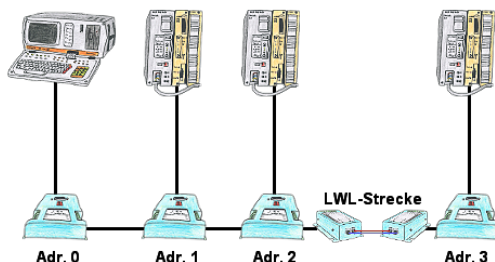
You need for your L1-Bus higher distance like the possible 1200m? You have strong distrubance on your L1-Bus? You need a serial line for higher distances and this galvanic decoupled? No problem, all this points are solved through the LWL-adapter. They are available for artificial and optical fibre, for L1-Bus and RS232.

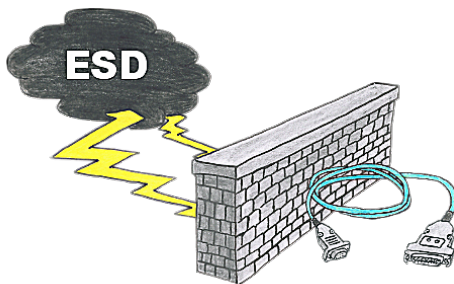Safe communication with the S5-PLC in an environment of radiant-converters and motor-controls. Electrostatic-charging is also a KO-criterion for operation of interface-cable, a discharge and the interface-product is damaged or even defective.

PG-UNI-II is prepared for this, with its full-metal-cast-housing and ESD-proof components it offers the best protection against such influences. The shielding of the cable connected to the metal-housing is the solution. Of course, the cable can be extended to a TTY-distance of up to 300m, using of adapter for PG-UNI-cables is also possible.

Sensor-networking 4.0

Siemens S5
Read / Write
PG-Schnittstelle

Siemens S7
Read / Write
PPI / MPI / DP

EtherSens
Analog IN / OUT
Digital IN / OUT

Energieanalyse
(EN 50470-1 EN 50470-3)
EtherSens "Energy"
L1, L2, L3, N Echtzeitanalyse
bis **8000** Messungen / Sek
Spannungen bis **500 VAC**
Ströme über **1000 A**
Hz / cos phi / Leistungsfaktor
Wirk- / Blind- / Scheinleistung **kW**
Energieverbrauch **kWh**

Alle Messgrößen
U / I / °C / O2 / H2O, m, kg, m/s ....
dezentrale Analyse, Überwachen, Alarmieren
zentral protokollieren + beobachten

Vorhandene Sensoren direkt einbinden
analoge und digitale Ein-/Ausgänge
elektrisch und Messkurve **frei konfigurieren**
Messgrößen einfach über **WEB** abgleichen

Klick-Montage auf Standard-Hutschiene
Stromversorgung **230VAC / 24VDC**

Integrierter Webserver
Zugriff auf **alle Sensoren** im **Netz**

Protokoll auf **SD-Karte + FTP-Server**
in verschiedene Datenformate
bei Grenzen **E-Mail** + Ausgänge über **Netz**

Data backup S5-PLC on FTP-server via dig. IO
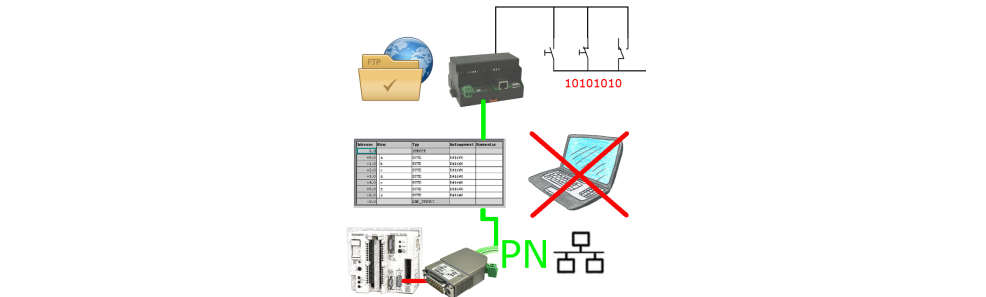
Via digital input triggered DB-backup/-restore without additional PC via PG-socket and Ethernet to FTP-server