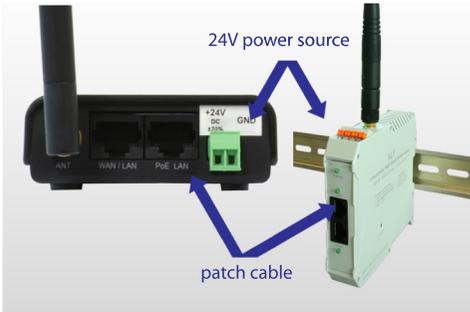# Using S7-LAN with an ALF as a WLAN Router
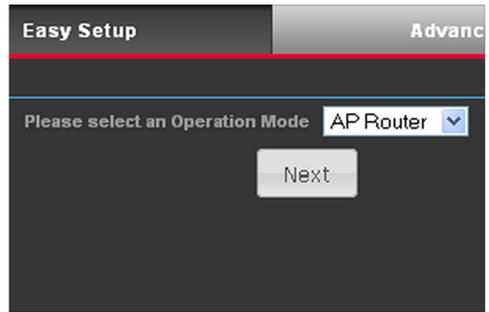
24V power source

patch cable

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

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

enewal Interval(Secconds)   60

Pre-Shared Key   5859b52e16954ae067   Generator

Done   Back
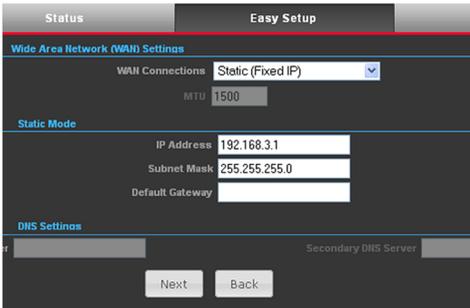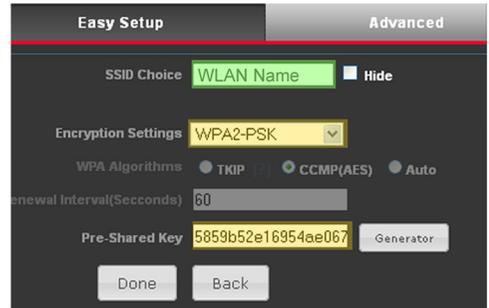
4 Now configure your networkname and encryption

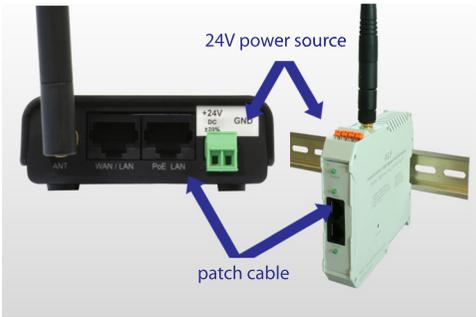Our recommended encryption is WPA2

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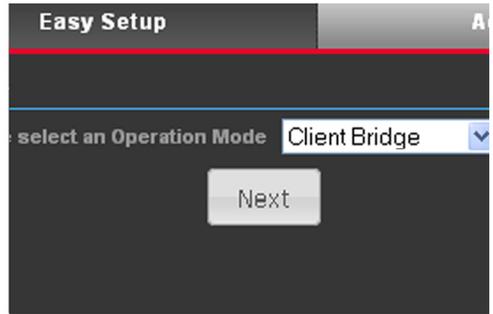Your S7-LAN is now available from every WLAN participants

TIA PORTAL   7

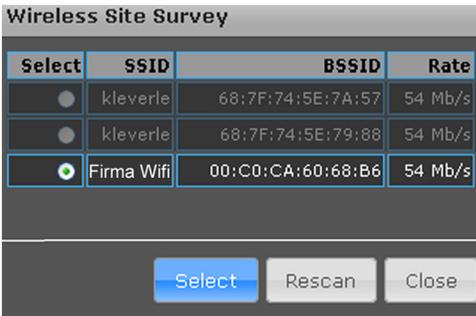**6** Installing TIC driver

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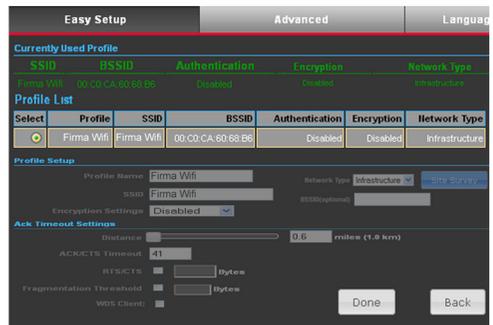
Integrate a S7-LAN in a avaiable WLAN with an ALF

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

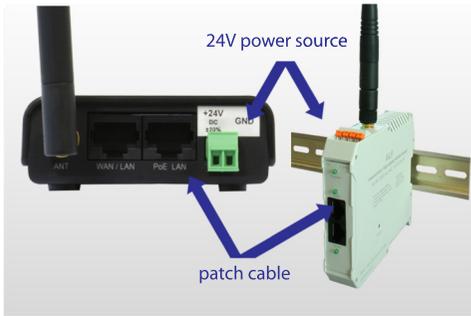**4** Select your WLAN and enter your passwort. Press „Done" to confirm

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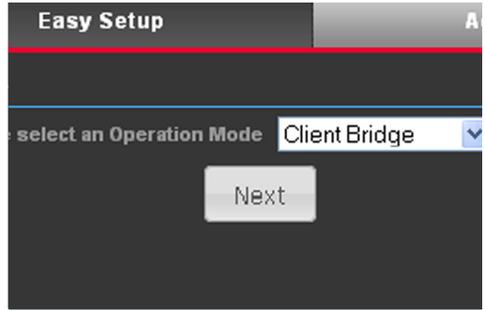Every network has to be in the same IP area
Your Module is now integrated

6 Installing TIC driver

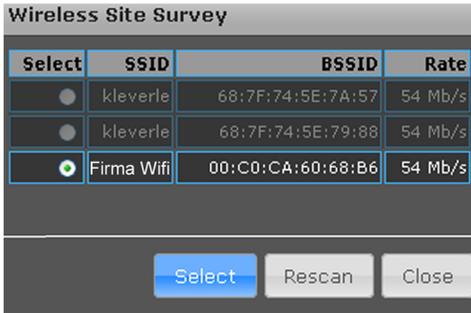TIC driver avaiable on www.tpa-partner.de

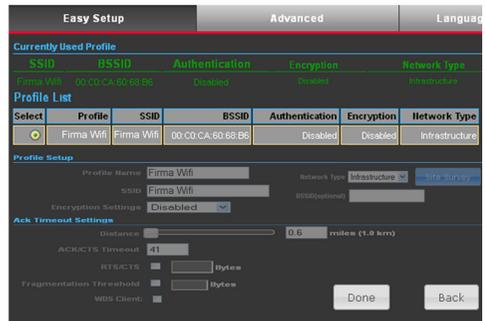# Integrate a S5-LAN++ in a avaiable WLAN with an ALF

24V power source

patch cable

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

Easy Setup

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

Easy Setup   Advanced   Languag

Currently Used Profile

SSID	BSSID	Authentication	Encryption	Network Type
Firma Wifi	00:C0:CA:60:68:B6	Disabled	Disabled	Infrastructure

Profile List

Select	Profile	SSID	BSSID	Authentication	Encryption	Network Type
⊙	Firma Wifi	Firma Wifi	00:C0:CA:60:68:B6	Disabled	Disabled	Infrastructure

Profile Setup

Profile Name Firma Wifi   Network Type Infrastructure   Site Survey
SSID Firma Wifi   BSSID(optional)
Encryption Settings Disabled

Ack Timeout Settings
Distance   0.6   miles (1.0 km)
ACK/CTS Timeout 41
RTS/CTS ☐   Bytes
Fragmentation Threshold ☐   Bytes
WDS Client: ☐

Done   Back

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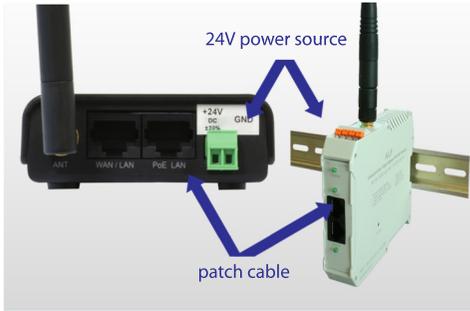

5 Connect the S5-LAN++ with a patch cable
Every network has to be in the same IP area
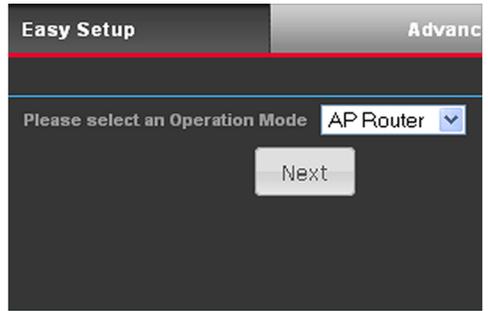Your Module is now integrated

Step 5

6 Installation:
- S5-Patch for original Step5
- PLCVCOM (virtual COM-Port)
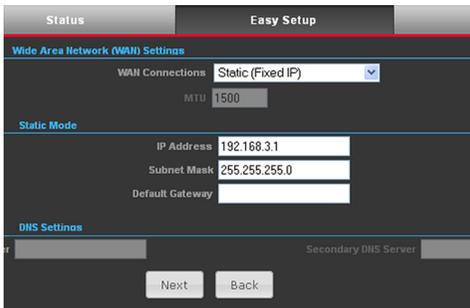Tools available on
www.tpa-partner.de
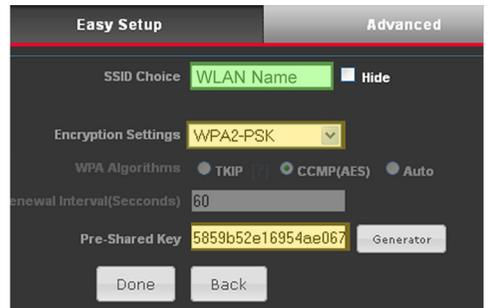
Using S5-LAN++ with an ALF as a WLAN Router

24V power source

patch cable

ANT · WAN / LAN · PoE LAN · +24V DC ±10% · GND

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
enewal 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.

Process-Informatik Entwicklungsgesellschaft mbH
Im Gewerbegebiet 1
DE-73116 Wäschenbeuren
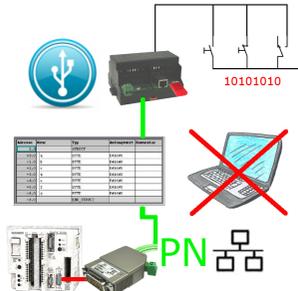+49 (0) 7172-92666-0

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https://www.process-informatik.de

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Menutree Website: **QR-Code Website:**

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

10101010

Via digital input triggered DB-backup/-restore without additional PC via PG-socket and Ethernet to USB-stick

You have on the plant side only ISDN for telephone, but in your office there is only an analogue system? No problem, you have to install on the clients side the TP-II and activate there the analogue-emulation in the device. No, the modem signals will be send digitalized over ISDN and you can connect to it. So, you will be able to communicate though the telephone systems are different and your client isnt forced to install an analogue connection.
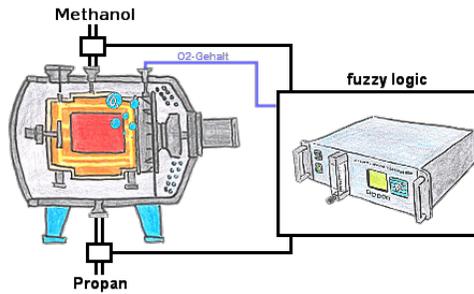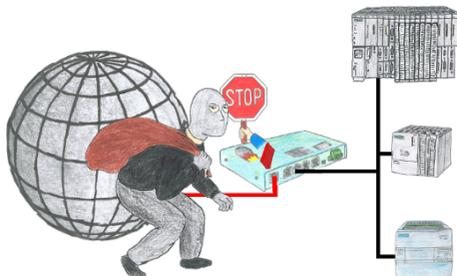
Through 3 free configurable limits (of each kind) you wont be able to realice a fuzzy-controller of your heat treatment furnace.

S7-PLC triggered DB-backup/-restore without additional PC via MPI/Profibus on SD-card

You want to protect your system against unauthorized access and changes? No problem, with the S7-firewall you secure your system against unauthorized access and thus prevent deduction or alteration of your system and process data.

Communication with Win98 – XP/Vista/7/8/10/11 via network to S5-PLC
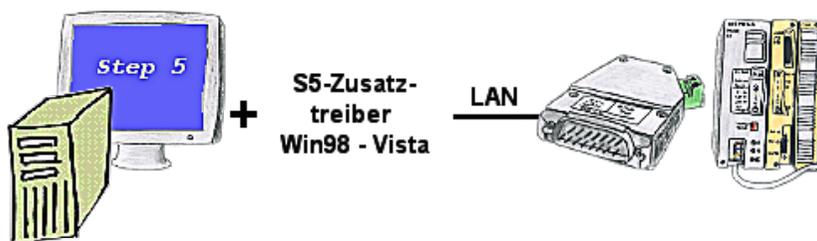
You still have a PC with Win98 and a MS-DOS-based Step5-package and would like to go Online on your S5-PLC via LAN? No problem, the provided virtual Com-Port PLCVCom emulates a COM-port on your PC with which you go Online. Even your MS-DOS-based Step5-software on this WIN98-PC can use this virtual Com-Port. With a patchtool for the Siemens Step5-software, which is provided as well, nothing else stands in your way to communicate via LAN.