Handling-Shortinstruction V1.0 for

CONNECT-IP-Switch



Power connection :

Voltage:	$24~V~DC\pm20\%$
power consumption :	1,2W

Assignment of voltage plug :



Initial start-up:

- CONNECT-IP-Switch creates a WLAN network with an SSID "CONNECT WiFi" 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

Starting page:

commissioning			
Before you can start to use the device you will have to set up some basic settings. Afterwards your device will be immediately ready for the communication. On the page "configuration" you can change these as well as some further settings at any time.			
basic configuration			
In the first step you have the possibility to specify a name for your device.			
device name:			
next			

Basic configuration:

Assign a name to the device for identification

Connection to company network:

- internet configuration			
Next you have to configure how your device should establish a connection to the internet.			
router interface:	LAN-A V		
IP settings			
IP configuration:	DHCPmanually		
IP address:			
subnet mask:			
gateway address:			

Internet-configuration:

Determine the interface to which the target network is connected

IP settings:

- IP-configuration:
- IP address:
- subnet mask:
- gateway address:

DHCP (Parameters come from a DHCP master on the network) Manuell (IP address + subnet mask fields must contain valid values) IP address of the device Subnet mask of the device Gateway address of the device

-WLAN settings	
search	: start search
SSID	:
security type	: open v
channel	: auto channel 🗸

WLAN settings:

- Search:	Searches for acce	Searches for accessible WiFI networks and lists them. By clicking on an entry,		
	the selected WiFi network is used for connection			
- SSID:	Name of the connected or created network			
- security type: Open (n		(no encryption)		
	WEP	(either 5 or 13 ASCII/10 or 26 hexidecimal characters)		
	WPA	(8-64 ASCII characters)		
	WPA2	(8-64 ASCII characters)		
	WPA/WPA2	8-64 ASCII characters (Independent automatic selection		
		whether WPA or WPA2)		
- channel:	Selection of the connection channel			

Peripheral configuration:

Interface: Determine the interface that

De	etermine	the interf	face that	is to b	e connecte	d to t	the maching	ine netwo	rk
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peripheral configuration		
In the last step you can select the interface and configure the adresses for the devices (e. g. from a PLC) who should be reachable from the router interface.		
interface:	LAN-B V	
☐IP settings		
IP configuration:	DHCPmanually	
DHCP server:	✓ enable	
IP address:		
subnet mask:		

IP settings:

- IP configuration:
- DHCP-Server:
- IP address:
- subnet mask:

DHCP (Parameters come from a DHCP master on the network) Manuell (IP address + subnet mask fields must contain valid values) Device is a DHCP server on the selected interfaces IP address of the device Subnet mask of the device

-WLAN settings	
search: start	t search
mode: Acce	ess Point (AP) 🗸
SSID: CON	NECT WiFi
security type: oper	1 v
channel: auto	o channel 🗸

WLAN settings:

- search:	Searches for accessi	Searches for accessible WiFI networks and lists them; by clicking on an entry		
	the selected WiFi ne	etwork is used for connection		
- mode:	Access-Point (AP)	[the CONNECT-IP-Switch opens its own WiFi]		
	Client	[the CONNECT-IP-Switch connects to an existing WiFi		
		network]		
- SSID:	Name of the connected or created network			
- security type:	Offen	(no encryption)		
•••	WEP	(either 5 or 13 ASCII/10 or 26 hexidecimal characters)		
	WPA	(8-64 ASCII characters)		
	WPA2	(8-64 ASCII characters)		
	WPA/WPA2	8-64 ASCII characters (Independent automatic selection		
		whether WPA or WPA2)		
- channel:	Selection of the connection channel			

IP-Switch configuration:

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Determine the IP addresses or IP address ranges that are to be converted from the machine network into the company network.

Г	IP-SWITCH	
	network	bridge: 🗹 enable
	IP trans	slations: + <>
	IP	firewall: +
network bridge:	With this option network and vice	, all IP packets from the company network to the machine be versa are pushed through the CONNECT-IP switch, except
	for the packets f	or IP address translation is registered.
	This option mus network and the	t be deactivated to ensure strict separation of the machine company network!
IP translation:	left field:	IP address from the machine network that is to be implemented
	right field:	Converted new IP address from the company network
	The line is accept	oted with the + symbol and further conversion can be entered
IP firewall:	Here you detern are allowed to c	nine whether and which IP addresses from the machine network ommunicate with the company network

After selecting the configuration, save it in the device and after a short initialization time (max. 10s) the devices are ready for operation.

You can find out more about the operating modes in the device manual on the CONNECT-IP switch product page

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.

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Menutree Website:

QR-Code Website:

- + Products / docu / downloads
 - + Hardware
 - + Remote maintenance
 - + S5
 - + Internet
 - + CONNECT devices
 - + CONNECT-HS-IP-Switch







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

Parallel access LAN/WiFi



Access parallel via LAN and Wifi to the EtherSens-device. Therefor create via the web-server for each way an ip-address, regardless whether its the same subnet or not.

PLC coupling S5 and S7



Data-processing/-recording of PLC-data?

Data-logging of recorded process-values in a DB writing or read out in the connected PLC via network, thanks to RFC1006-communication i n the devices is nothing in the way.

Even accesses to flags (individual bits of the words) are possible at any time. Configure the data via the integrated web-server that gets target-PLC or returns the necessary-data.

If the PLC does not have an Ethernet-port, with optional adapters, enable this communication:

* S5 over S5-LAN++ * S7-PPI/MPI/Profibus over S7-LAN Data backup S7-PLC over MPI/Profibus on SD-card via dig. IO



Via digital input triggered DB-backup/-restore without additional PC via MPI/Profibus to SD-card

Data backup S5-PLC on USB-stick via dig. IO



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