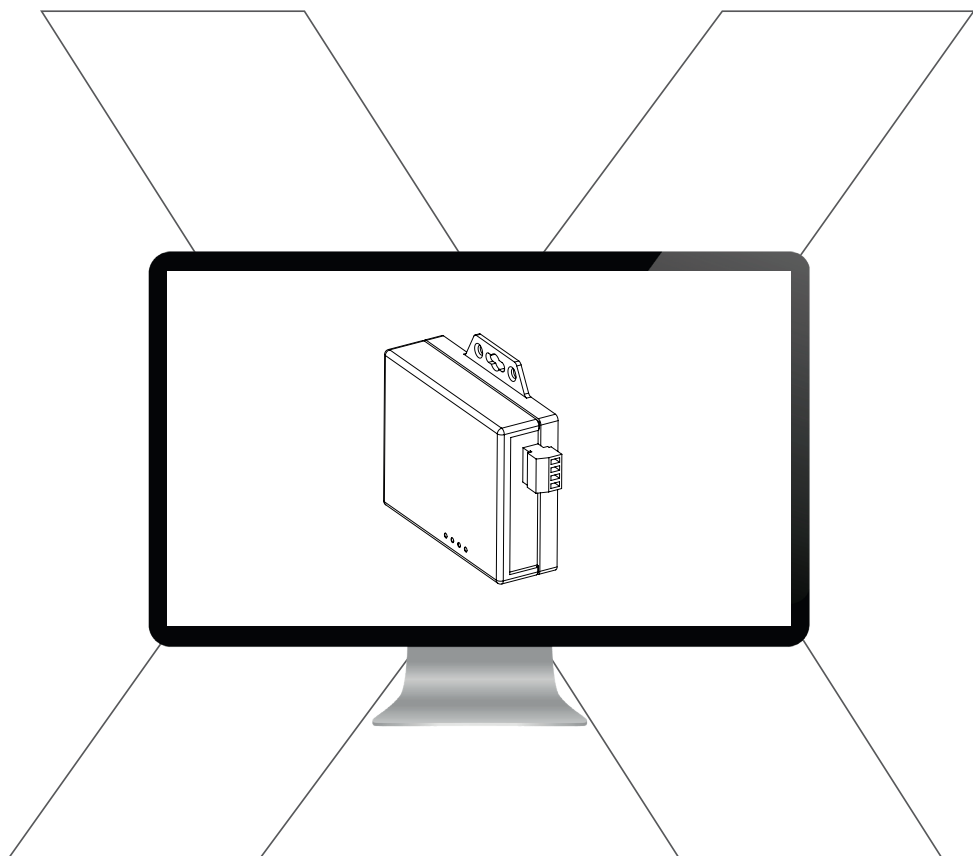
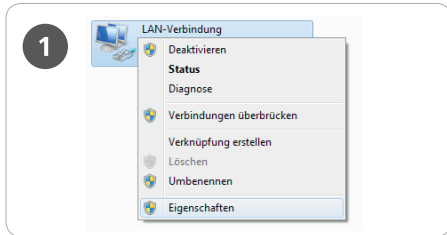




Xesar

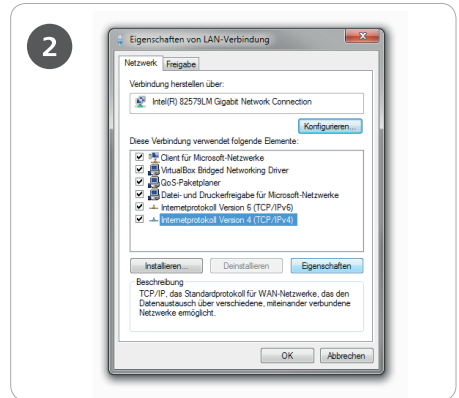
Commissioning | network adapter

PC configuration



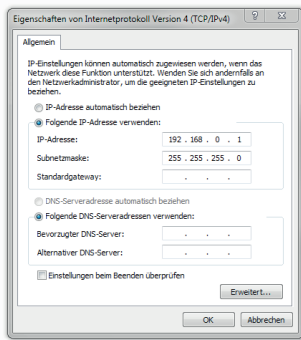
- Any computer is suitable for configuring the Xesar network adapter and you can even use the PC running the Xesar software.
- Please configure the settings of your PC network adapter before starting to commission the Xesar network adapter.
- For this purpose, in Windows 7 go to **Network and Sharing Center > Change adapter settings**.
- Open the Settings window (right-click the LAN connection)

Important: Please note that additionally active network connections (WiFi, etc.) may impair communication with the Xesar network adapter — deactivate these if necessary.



In the window, select **Internet protocol version 4 (TCP/IPv4)** and click **Settings**

3



➤ Now configure the **IP address** and the **Subnet mask** of the PC you are using for the configuration.

➤ Use the following details for this purpose:

IP address: **192.168.0.xxx** (1-254)

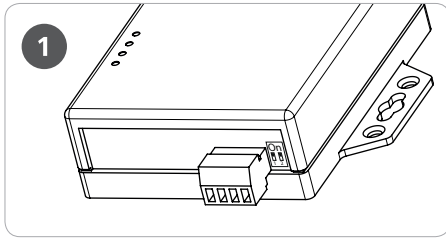
Subnet mask: **255.255.255.0**

DNS server: -

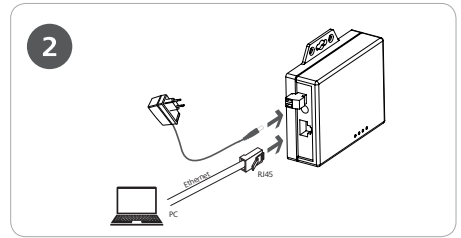
Make sure you do **not** use the preconfigured IP address of the Xesar network adapter (192.168.0.100) as otherwise there will be an IP address conflict which will inhibit a connection.

Please contact your system administrator if you encounter any other issue during setup.

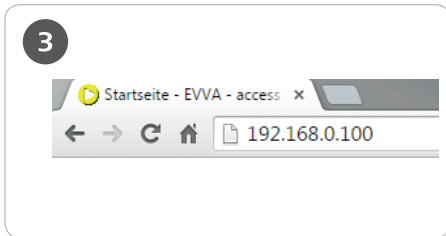
Commissioning a Xesar network adapter



Check the jumper position of the Xesar network adapter. Both jumpers must be set to OFF (bottom position).

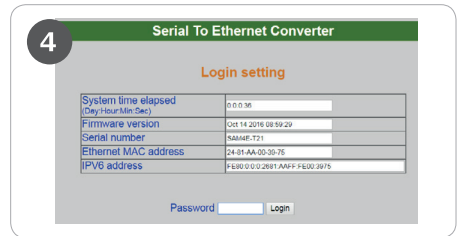


- Connect the mains adapter to the Xesar network adapter.
 - The green, flashing status LED indicates that the Xesar network adapter is supplied with power.
 - Then connect the Xesar network adapter to the configuration PC.
- For this purpose, use an RJ45 LAN cable and make sure the connector engages audibly in the socket.



- Now open your computer's Internet browser.
- Enter the standard address of the Xesar network adapter in the URL bar – it is listed on the bottom of the device and has been set to **192.168.0.100** by default.

Note: If the configuration page fails to open, check your PC's firewall settings, the IP settings and the cabling of the Xesar network adapter.



The Xesar network adapter login page appears – click **Login**; it is not necessary to enter a password.

5

Parameter setting

IP address	192.168.0.100
Subnet mask	255.255.255.0
Gateway IP	0.0.0.0
Link Modes	Auto detect ▼
DHCP Client	Disable ▼
Auto Reset (No data input)	600 (1 ~ 255 Minute)
Device Name	EX9133C-RS485
Login password	
Serial I/O Port 1 0	
Local port,Socket mode	104 TCP Server ▼
Remote IP,Port (TCP Client/UDP)	0
Interface	RS232 ▼
Baudrate	9600 ▼
Parity,Data bit,Stop bit	None ▼ 8 ▼ 1 ▼
Force off-line time (No data input)	600 (1 ~ 255 Minute)
Packet collect time	Tx 0 Rx 0 (mSec)
Serial I/O Port 2 0	
Local port,Socket mode	100 TCP Client ▼
Remote IP,Port (TCP Client/UDP)	192.168.100.1 9081
Interface	RS485 ▼
Baudrate	115200 ▼
Parity,Data bit,Stop bit	None ▼ 8 ▼ 1 ▼
Force off-line time (No data input)	0 (1 ~ 255 Minute)
Packet collect time	Tx 0 Rx 1 (mSec)
Digital I/O Port 1 0	
Local port,Socket mode	102 TCP Server ▼
Remote IP,Port (TCP Client/UDP)	0
I/O Direction(1 ~ 8)	00000000 (0:Output, 1:Input)
I/O Data(1 ~ 8)	01111011
Record Last Status	Disable ▼
Force off-line time (No data input)	600 (1 ~ 255 Minute)
Digital I/O Port 2 0	
Local port,Socket mode	103 TCP Server ▼
Remote IP,Port (TCP Client/UDP)	1
I/O Direction(1 ~ 8)	11111111 (0:Output, 1:Input)
I/O Data(1 ~ 8)	11111111
Record Last Status	Disable ▼
Force off-line time (No data input)	600 (1 ~ 255 Minute)

› The **IP address** defines the IP address of the Xesar network adapter.

Please note that changing this address and clicking Update (or confirming with the ENTER button) means the network adapter can exclusively be opened and configured using this address.

It is necessary to define up to 14 different IP addresses for each of the 14 potential Xesar network adapters within a system. In this process, also check the network settings of the PC and observe the valid IP address range of your network.

› The **Subnet mask** defines the used subnet.

› The **Device Name** can be specified individually and it does not influence the device function.

› The **Login password** restricts access to the device configuration page. A default password has not been configured.

› The **Remote IP** corresponds to the IP address of the computer running the Xesar software and it is responsible for communication between the Xesar network adapter and the Xesar software.

Attention: Please use the number „100“ only once at „local port, socket mode“ (serial & digital)!

Note: The **Remote IP** (PC) and **IP address** (Xesar network adapter) must differ!

You are now on the Xesar network adapter configuration page. As shown on the illustration, the white fields must be filled. Configure the fields highlighted in yellow as follows:

Sample configuration:

IP address	192.168.100.101
Subnet mask	255.255.255.0
Device Name	Updater1
Login password	passwordupdater1
Remote IP	192.168.100.1

After having completed the parameter configuration, click Update to complete the Xesar network adapter configuration. Our Xesar system manual features a detailed description on installation and configuration in Section ***Commissioning the Xesar network adapter.***

Resetting network adapters:

If you are forced to reset the network adapter in the event of an error, subsequently re-check the Parameter settings. In this process, particularly check Socket mode (TCP client), Baudrate (115200) and Port (9081)!

Local port,Socket mode	100	TCP Client ▾
Remote IP,Port (TCP Client/UDP)	192.168.100.1	9081
Interface	RS485 ▾	
Baudrate	115200 ▾	

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