VISY-X
MOXA Ethernet Converter
Installation and configuration
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1 Hardware Installation

Figure 1: MOXA design
Connect the MOXA Ethernet Converter with:

(1) Network cable
(2) Power plug
(3) Serial cable for connection with Service-Interface or Host-Interface of the VISY-Command

If connected to the Service-Interface:
set DIP-Switch “S1: Service” on the VI-Board
(see the technical documentation of VISY-Command)

If connected to the Host-Interface:
set the Host-Code with the VISY-Setup software
(see the technical documentation of VISY-Setup)

Check the connection cables if no data can be received

(4) Connect the network cable with network port or router

A direct connection with a PC or Laptop during the configurations process is also possible. When the configuration is done it has to be connected to a network connector or a router.

(5) Ask your system administrator for an IP address and network mask
2 Software installation

(1) Install and run the program „NPort Administrator“ from the MOXA CD
(2) Select “Configuration” (1)
(3) Click on “Search” (2)

Figure 2: NPort configuration list
(4) The MOXA Ethernet Converter has a pre-set IP address: 192.168.127.254

(5) Select “NPort 5110” from list (here No. 1) and confirm with „Configure“.

![Figure 3: NPort configuration selection](image-url)
Choose the tab “Network”

IP address:
check “Modify”
enter the IP address your system administrator supported you with

Netmask (preset: 255.255.255.0)
check “Modify”
enter the netmask your system administrator supported you with

Confirm the configuration with a click on “OK”
(7) Type the IP address in the Internet-Browser (PC has to be connected to the same network).

Figure 5: MOXA online connection

Then the NPort’s web console opens:

Figure 6: MOXA browser
Select “Serial Settings - Port 1” within the main menu and enter the following values:

- Baud Rate: 9600
- Data bits: 8
- Stop bits: 1
- Parity: None
- Flow control: None

Confirm the configuration with a click on “Submit”.

Figure 7: Configuration of the serial connection
(9) Select “Operating Settings - Port 1” within the main menu and enter the following values: Operation Mode: TCP Server Mode

⚠️ The “Local TCP Port” is equal to the port number of VISY-Setup!

Confirm the configuration with a click on “Submit”

![Configuration operating mode](image)

Figure 8: Configuration operating mode

(10) Select Save/Restart within the main menu

(11) (A) Disconnect the MOXA if it is connected directly to the PC and connect it with the router.

(B) If the MOXA is directly connected to a router, the configuration has to be proceeded (e.g. port forwarding).
3 Testing

(1) VISY-Setup is a useful tool to check the connection. For that purpose the MOXA has to be connected to the Service-Interface of the VISY-Command and the DIP-Switch S1 has to be set to OFF - OFF.

Select the tab „Network Connection“ and type in IP address und port number. By clicking on “Connect” the VISY-Setup program opens.

![VISY-Setup network connection](image)

Figure 9: VISY-Setup network connection

(2) Installation complete!
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