

EtherNet/IP Agent - "Agent Blond"

Function

The EtherNet/IP Agent – "Agent Blond" combines the functionality of a EtherNet/IP measurement point with EtherNet/IP analysis. In doing so, relevant parameters—such as missing update rates ("telegram gaps")—are recorded, which accelerates the identification of actual weak points within the EtherNet/IP system.

The evaluation of the recorded data does not take place on the device itself; instead, all data is transferred to the PLC.

The EtherNet/IP Agent is intended to be permanently installed within the network connection between the PLC and the first switch, as this connection carries the cyclic EtherNet/IP communication to all EtherNet/IP devices. Two network ports (X2P1 and X2P2) are available for this purpose.

To enable a non-intrusive connection of an analysis tool (e.g., EtherNet/IP-INSpektor® NT) for deeper network analysis, two mirroring ports (X3P1 and X3P2) are provided.

Technical data

Network connection

- Device Port X1: 1 x 10/100Base-TX RJ45 port
- Monitor X2: 2 x 10/100Base-TX RJ45 ports
- Mirroring X2: 2 x 10/100Base-TX RJ45 ports

- Input voltage: 24V DC $\pm 10\%$
- Max. current consumption: 150 mA
- Max. power dissipation: 4 W
- Output voltage: 24 V DC (max. 1 A)
- Operating temperature: +5 °C to +55 °C
- Storage temperature: 15 °C to +75 °C
- Humidity: 10 to 90 %, non-condensing
- Mounting: TS35 DIN rail (EN 50022)
- Protection class: IP20
- Network interface: RJ45

Note about the connection

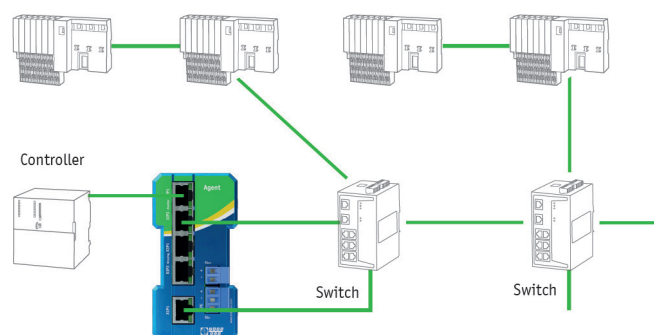
When connecting the EtherNet/IP-INSpektor® NT via the EtherNet/IP Agent, only patch cables are required.

In the event of a power supply failure of the EtherNet/IPAgent, EtherNet/IP communication will continue uninterrupted through the agent.

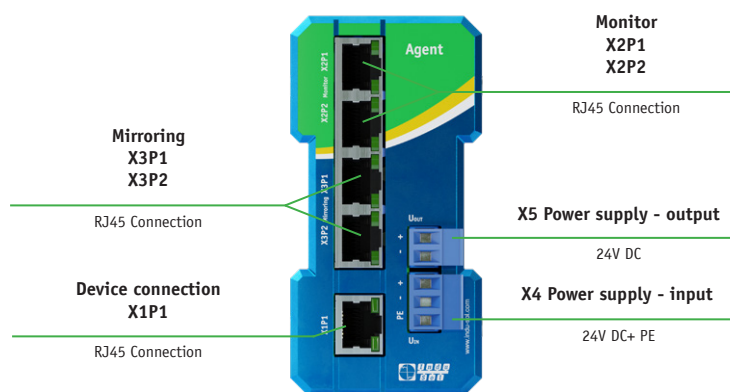
The UOUT (24 V DC) port can be used to supply power to additional analysis tools.



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Example of use



Device connections

Ordering details	Art.-No.
EtherNet/IP Agent - " Agent Blond"	124090300
StarterKIT EtherNet/IP Agent - " Agent Blond"	124090301