

Manual

Ethernet Switch Industry,4 Port

- Compact size
- DIN rail mount
- 24 -48V or PoE supply
- 4 Ethernet 10/100BaseT Ports
- 1 X PoE-Uplink Class 0
- 3 X PoE-Injection Class 1
- PoE-Splitter bzw Extractor Function
- Port-Mirroring for Network Traces



Release
Type

1.0
55604

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Subject to error and alteration:

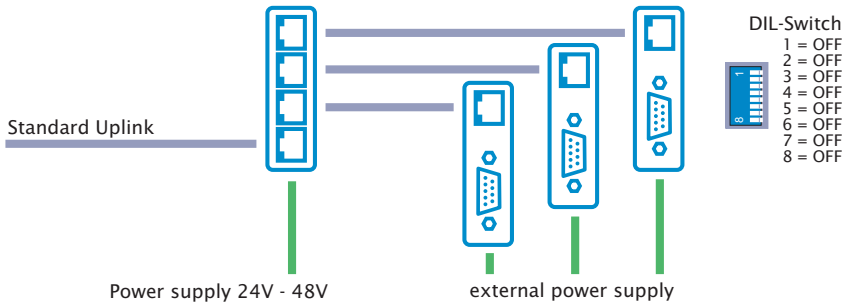
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Operation with external power

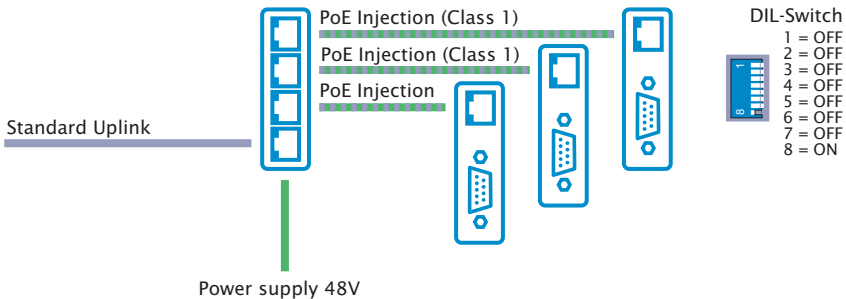
Standard Industrie Switch for 24V power

The Switch is powered externally with 24V – 48V brought to the green terminal on the underside. The terminal devices connected to Ports 1 – 3 are self-powered without PoE.



Switch as PoE injector

The Switch is powered externally with 48V brought to the green terminal on the underside. PoE-powered Class 1 devices are connected to Ports 1 – 3.

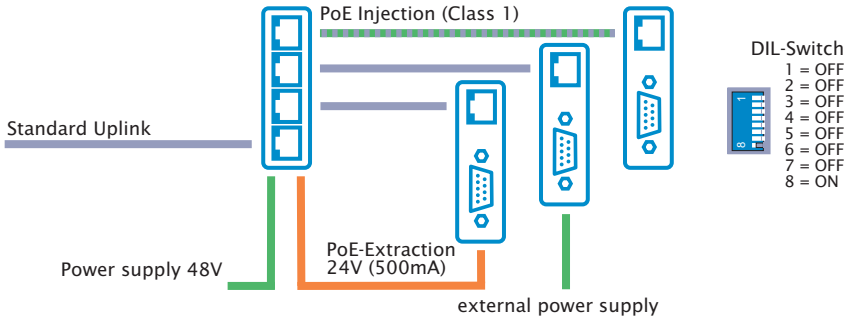


No external power is required for the connected terminal devices.

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Switch in mixed operation

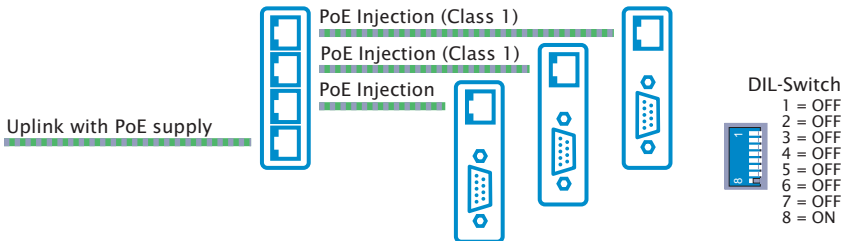
The Switch is powered externally with 48V brought to the green terminal on the underside. Both self-powered and PoE devices can be operated on the Switch. The orange terminal can be used for powering connected devices with 24V



Operation with PoE power

PoE Switch with PoE terminal devices

The Switch is linked to a PoE-PSE capable Switch through Port 4. PoE powered Class 1 devices are connected to Ports 1 - 3.

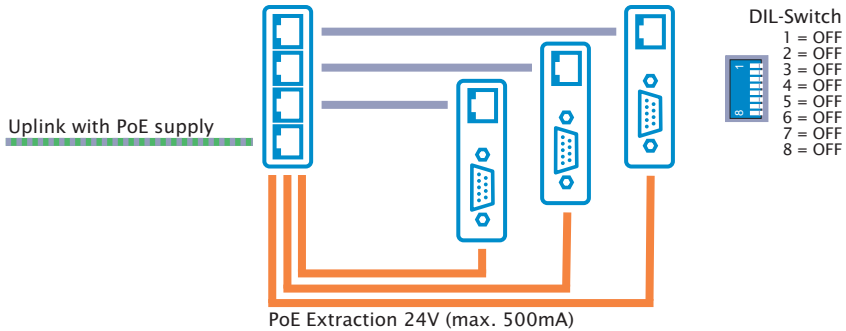


No external power is required for either the Switch or for the connected terminal devices.

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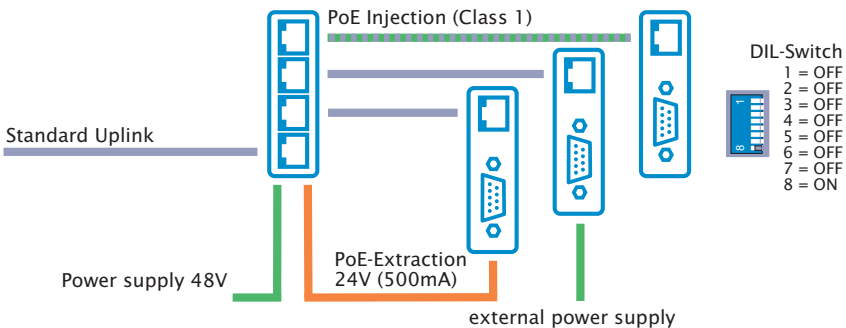
PoE Switch as PoE splitter

The Switch is linked to a PoE-PSE capable Switch through Port 4. The terminal devices connected to Ports 1 – 3 are powered with 24V brought to the orange terminal on the underside.



PoE Switch in mixed operation

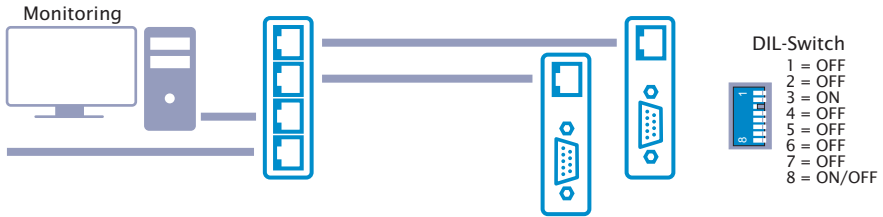
The Switch is linked to a PoE-PSE capable Switch through Port 4. Both self-powered and PoE devices can be operated on the Switch. The orange terminal can be used for powering connected devices with 24V.



Mirror Port -

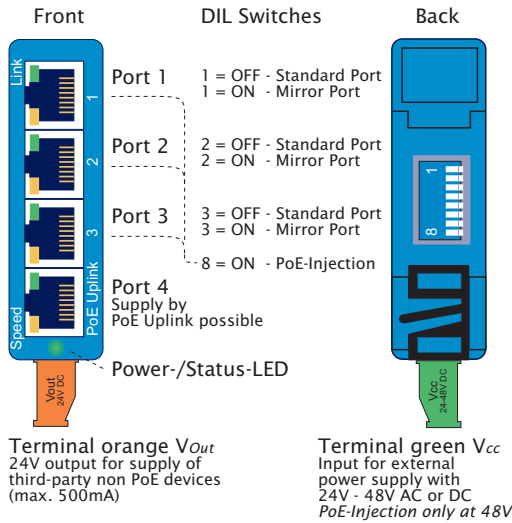
Mirroring network traffic

Using DIL switches 1 - 3 you select which port to use as the mirror port (It is not possible to operate multiple ports as mirrors). All network traffic coming through the Switch is output on the mirror port. Since the mirror port is read-only, the PC connected to this port cannot access the network for regular operation.



It makes no difference to the mirror port which power variant is used for the Switch.

Connections, DIL switches and LEDs



Green terminal

If PoE (Power over Ethernet) is not used for the Switch, a voltage of between 24V and 48V must be connected here. 48V must be used if Ports 1 - 3 are running on PoE injection.

Orange terminal

At this terminal the Switch provides 24V / 500mA for powering third-party devices.

Ports 1 bis 3

RJ45 connection for stations or other switches. DIL switch 8 can be used to enable PoE injection for these ports in order to directly power PoE capable devices through the network connection.

DIL switches 1 - 3 can be used to enable one of the ports as a mirror port. This port outputs all the network traffic handled by the Switch in order to enable network recordings. Devices connected to the mirror port can only listen but not participate in active network traffic.

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Port 4 (PoE Uplink)

This port can be used for powering the Switch for uplink to a PoE-PSE capable Switch.

Power-/Status- LED

Behind the transparent housing panel

ON = Ready

Flashing = Error - more than one mirror port turned on

Rapid flashing = Error - Temperature exceeded

Port LED grün (Link)

ON = Link detected

Flickering = Network activity

Port LED orange (Speed)

ON = 100Mbit

OFF = 10Mbit

Technical data

No. of Ethernet Ports:	1xPoE-Uplink Class 0 10/100BaseT 3xPoE-Injection Class 1 10/100BaseT
External power (green):	24V - 48V, 650mW AC/DC for PoE-Injection 48V 650mW + power of the other supplied devices
Power output (orange):	24V DC / max. 500mA
Ambient temperature:	Storage: -40 .. +70°C Operation: 0 .. 60°C
Relative humidity:	5 .. 95% rH (non-condensing)
Housing:	Plastic compact housing for DIN rail mount 105x75x22mm
Weight:	approx. 200g