AXIS T8144 60 W Industrial Midspan

User Manual

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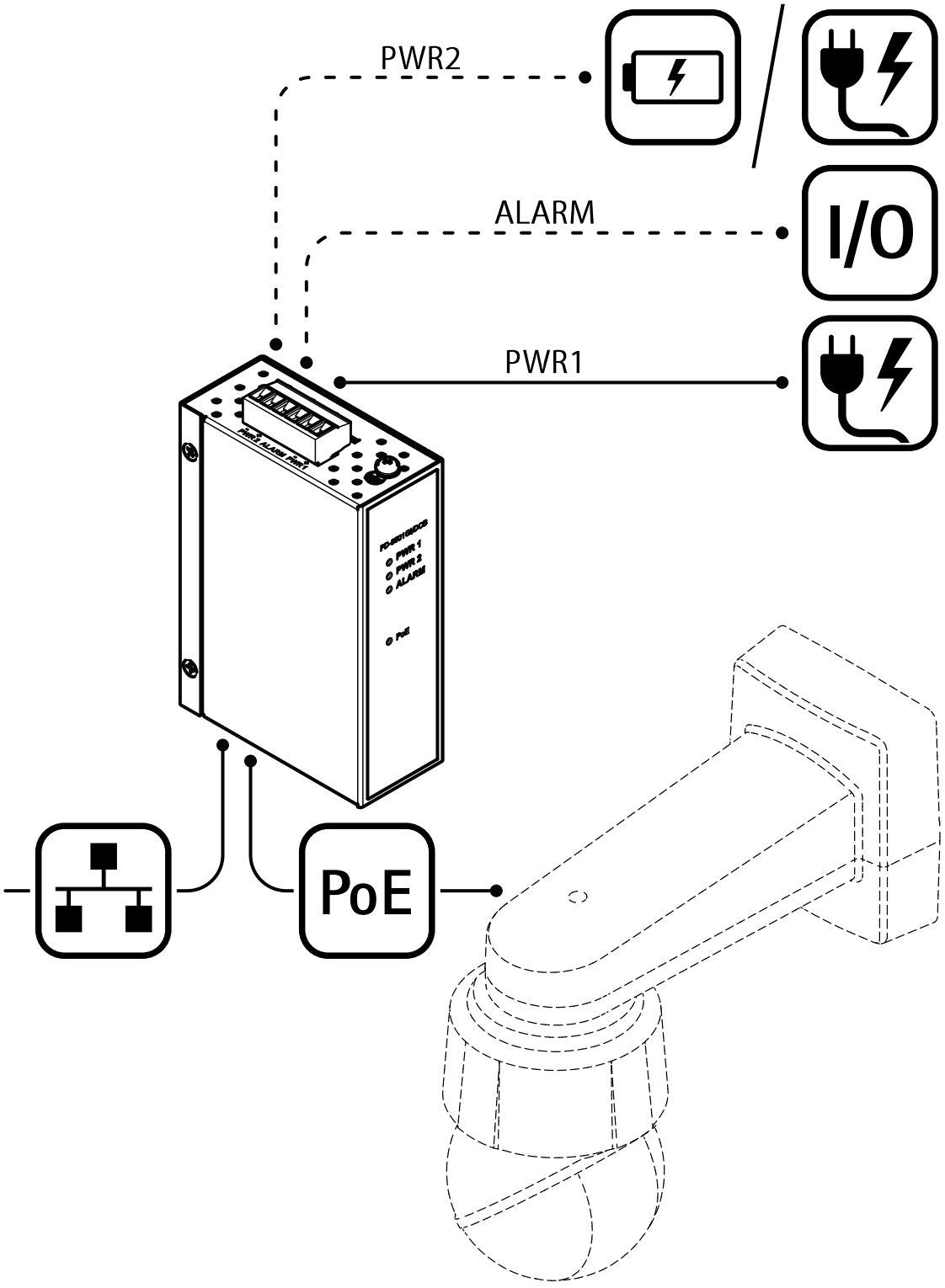
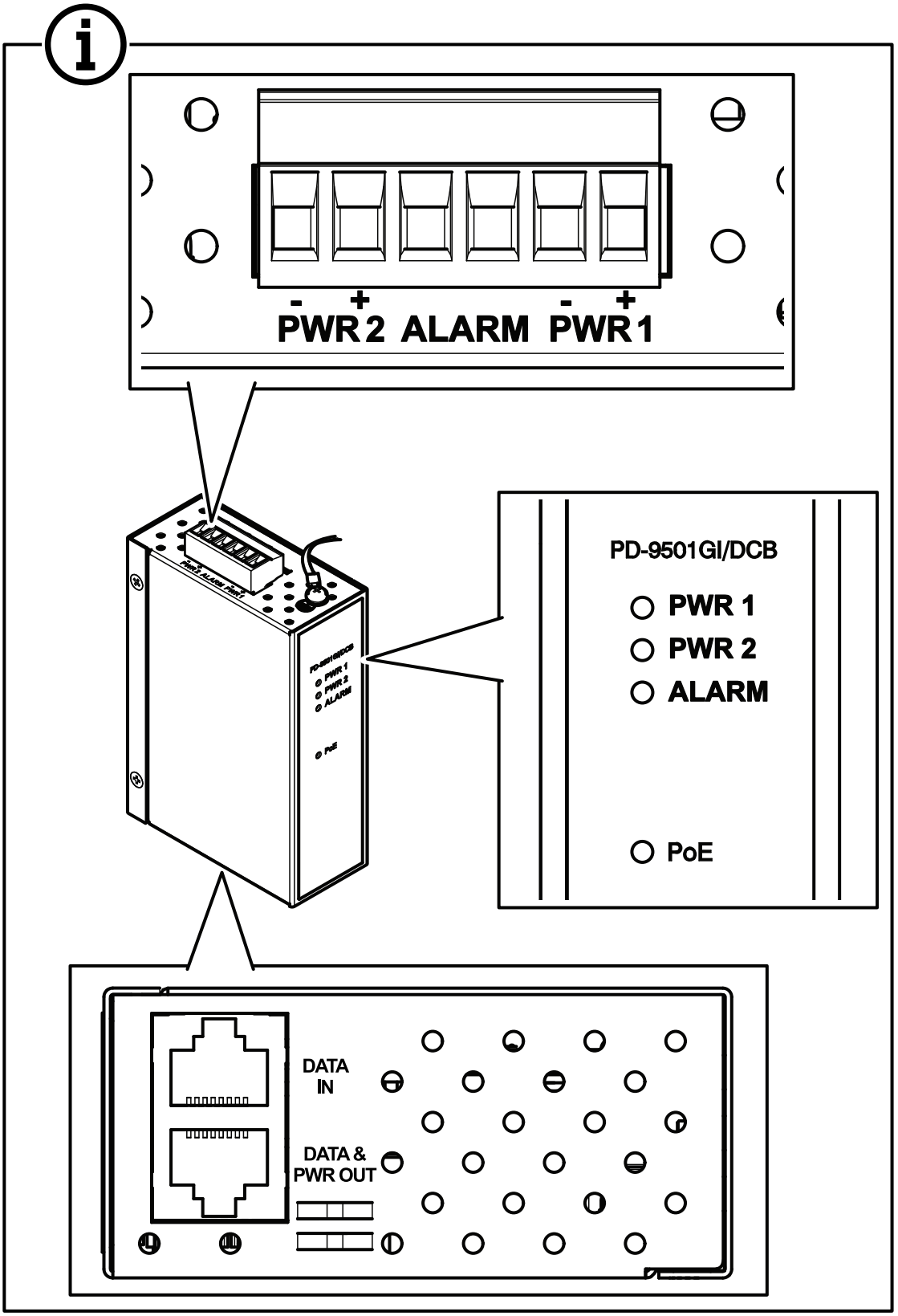
System overview

System overview



Product overview



Specifications

Specifications

To find the latest version of the product's datasheet, go to axis.com > [product] > Support & Documentation.

LED indicators

Note

See LED locations in *Product overview on page 4*.

LED	Color, status	Indication
PWR 1	Off	No power source connected to PWR 1 input.
	Green, static	Power source connected to PWR 1 input.
PWR 2	Off	No power source connected to PWR 2 input.
	Green, static	Power source connected to PWR 2 input.
ALARM	Off	Power available on both PWR 1 and PWR 2 inputs.
	Red, static	No power available on PWR 1 or PWR 2 or on either inputs.
PoE	Off	No remote device connected to DATA & PWR OUT port.
	Green, blinking	Remote device connected to DATA & PWR OUT port but PoE negotiation has failed.
	Green, static	Remote device connected to DATA & PWR OUT port and PoE negotiation has succeeded.

Operating conditions

Temperature	Humidity
-40 °C to 75 °C (-40 °F to 167 °F)	10–95% RH (non-condensing)

Power input and output

Input voltage	20–60 V DC
Maximum input power	72 W
Nominal output voltage	55 V DC
Maximum output power (High Power over Ethernet)	60 W

Ethernet interface

Note

See Ethernet port locations in *Product overview on page 4*.

Specifications

Function	Specification
DATA IN Ethernet 10/100/1000Base-T	RJ45 female socket
DATA & PWR OUT Ethernet 10/100/1000Base-T, 55 V DC	RJ45 female socket, with DC voltage on wire pairs 1–2, 3–6, 4–5 and 7–8

Connectors

6-pin DC power and alarm terminal connector

Note

See the connector's pin arrangement in *Product overview on page 4*.

Function	Pin	Description	Specification
PWR 2	1	Ground	0 V DC
	2	Power in from power supply	20–60 V DC
ALARM	3–4	Relay contact	Circuit open (alarm on) Circuit closed (alarm off)
PWR 1	5	Ground	0 V DC
	6	Power in from power supply	20–60 V DC

Troubleshooting

Troubleshooting

Troubleshooting

Symptom	Corrective action
The midspan does not power up	Verify that the power source voltage is between 20–60 V DC, and that it's working.
	Verify that the terminal block connector is properly connected.
	Verify that the power inlet cable is intact/functional.
The remote device connected to the midspan does not power up	Verify that the remote device is designed for PoE operation.
	Verify that the remote device is connected to the midspan's DATA & PWR OUT port using a standard STP CAT5 or higher, straight-wired network cable with four pairs.
	If an external power splitter is in use, verify that it works.
	Verify that there is no short circuit on any of the twisted pair cables or RJ45 connectors.
	If possible, connect the remote device to a different midspan.
The remote device connected to the midspan powers up but there is no data link	Verify that the remote device is connected to the midspan's DATA IN port using a standard STP CAT5 or higher, straight-wired network cable with four pairs.
	If using an Ethernet RJ45 cable, verify that its length between the network switch and the remote device is less than 100 m (330 ft).
	If possible connect the remote device to a different midspan.

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