Axis High Power over Ethernet midspans

For indoor and outdoor installations

- > IEEE 802.3af/at
- > 12-24 V DC, 24 V AC and 100-230 V AC
- > Outdoor-ready models
- > Plug-and-play
- > Support for Axis PTZ domes

Axis High Power over Ethernet midspans offer an easy, fast and cost-effective solution for powering network video products, without the need to install power outlets and electrical cabling.

Axis PoE+ midspans are connected to the power source (DC, AC or mains), transforming the power and inject it into the network cable enabling Axis network video products to receive data and power over the same Ethernet cable.

The High PoE products make it easier to install network video products in areas where power cabling and outlets are unavailable, thereby reducing installation costs.

These midspans are used to power all network devices that are IEEE 802.3af or IEEE 802.3at compliant, meaning that they can be used with all Axis network video products with built-in PoE support.

AXIS T8134, AXIS T8124-E and AXIS T8125 provide 60 W (two times IEEE802.3at) which is required when operating e.g. AXIS Q60-E Network Cameras in temperatures below -20 °C (-4 °F). AXIS T8134, AXIS T8124-E and AXIS T8125 require 100 to 240 V AC and 24 V AC respectively.

Technical Specifications - Axis High Power over Ethernet midspans

60593/EN/M3.2/1122014

Midspans

Function	Data and power are fed to a network video product through an Ethernet cable; use together with a PoE splitter for a network video product without built-in PoE support **AXIS T8123-E/T8124-E:** Built-in surge protection
Data rate	10/100/1000 Mbps **AXIS T81B22:** 10/100 Mbps
Connectors	Shielded RJ45, EIA 568A and 568B **AXIS T81B22:** 2-pin DC terminal power connector **AXIS T8133/T8134:** Power connector C13 **AXIS T8125:** 2-pin AC terminal power connector
Network cables	Shielded category 5 (or higher)
Wiring	Data provided over pairs 1/2 and 3/6 for 10/100 Ethernet, over all four pairs for Gigabit Ethernet **AXIS T81B22/T8133/T8123-E:** Power over spare pairs 4/5 (+) and 7/8 (-) **AXIS T8134/T8124-E/T8125:** Power over pairs 1/2 (-), 3/6 (+), 4/5 (+) and 7/8 (-)
Installation and management	Plug-and-play installation; automatically detects PoE and High PoE-enabled devices and supplies inline power. Local LED management display (not applicable for AXIS T8123-E/T8124-E) NOTE: AXIS T81B22, AXIS T8133 and AXIS T8123-E should be used with a non-PoE network switch. If a PoE switch is used, turn off the PoE on the port in use
Casing	**AXIS T8123-E/T8124-E:** Outdoor, Polycarbonate, IP66-/NEMA 4X-rated
Display and indicators	Port interfaces are located on the front panel **AXIS T81B22:** DC LED: Power indicator Port LED: Network indicator **AXIS T8133/T8134:** Port LED: Power indicator and Data connectivity **AXIS T8125:** AC LED: Power indicator Port LED: Data connectivity
Warranty	Axis 3-years warranty, see www.axis.com/warranty

More information is available at www.axis.com

	AXIS T81B22	AXIS T8133	AXIS T8123-E	AXIS T8134	AXIS T8124-E	AXIS T8125
Max. PoE class	At 12 V: Power over Ethernet Plus (PoE+) IEEE 802.3at Type 2 Class 4 At 24 V: Power over Ethernet IEEE 802.3af Type 1 Class 3	Power over Ethernet Plus (PoE+) IEEE 802.3at Type 2 Class 4	Power over Ethernet Plus (PoE+) IEEE 802.3at Type 2 Class 4	High Power over Ethernet, max. 60 W	High Power over Ethernet, max. 60 W	High Power over Ethernet, max. 60 W
Max. output power	51 V DC at: 12 V DC IN (max. 30 W) 24 V DC IN (max. 15 W)	55 V DC (max. 30 W)	55 V DC (max. 30 W)	55 V DC (max. 60 W)	55 V DC (max. 60 W)	55 V DC (max. 60 W)
Input power	12/24 V DC (max. 38/20 W)	AC Input Voltage: 100 to 240 V AC AC Frequency: 50-60 Hz	AC Input Voltage: 100 to 240 V AC AC Frequency: 50-60 Hz	AC Input Voltage: 100 to 240 V AC AC Frequency: 50-60 Hz	AC Input Voltage: 100 to 240 V AC Frequency: 50-60 Hz	AC Input Voltage: 24 V AC +/- 20% (max. 80 W) AC Frequency: 50-60 Hz
Mounting	Wall, shelf or DIN rail[1] mounting	Wall, shelf or DIN rail[1] mounting	Wall or pole[1] mounting	Wall, shelf or DIN rail[1] mounting	Wall or pole[1] mounting	Wall, shelf or DIN rail[1] mounting
Approvals	RoHS, WEEE, CE, EN 55022 Class B, EN 55024, FCC Part 15 Subpart B Class B, ICES-003, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24, IEC/EN/UL 60950-1	RoHS, REACH, WEEE, CE, EN 55022 Class B, EN 55024, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24, IEC/EN/UL 60950-1, GS, CB, CCC	RoHS, REACH, WEEE, CE, EN 55022 Class B, EN 55024, EN 61000-4-5, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24, CQC, CCC, IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, GS, CB, KC, S-mark, IEC/EN 60529 IP66, NEMA 250 Type 4X, ASTM B-117, GR-1089-CORE, ITU-T	RoHS, REACH, CB, WEEE, CE, EN 55022 Class B, EN 61000 3-2, EN 61000 3-3, EN 55024, FCC Part 15 Subpart B Class B, VCCI Class B, C-tick AS/NZS CISPR22 Class B, KC, KCC KN22 Class B, KN24, CCC, S-Mark, IEC/EN/UL 60950-1, GS Mark per EN 60950-1	RoHS, REACH, WEEE, CE, EN 55022 Class B, EN 55024, EN 61000-4-5, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24, CQC, CCC, IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, GS, CB, KC, S-mark, IEC/EN 60529 IP66, NEMA 250 Type 4X, ASTM B-117, GR-1089-CORE, ITU-T	RoHS, REACH, WEEE, CE, EN 55022 Class B, EN 55024, FCC Part 15 Subpart B Class B, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24, IEC/EN/UL 60950-1, GS, CB
Operating conditions	-20 °C to 65 °C (-4 °F to 149 °F) Humidity max. 95% RH (non-condensing)	-20 °C to 40 °C (-4 °F to 104 °F) At 22.5 W: -20 °C to 55 °C (-4 °F to 131 °F) Humidity 10–90% RH (non-condensing)	-40 °C to 55 °C (-40 °F to 131 °F) At 15.4 W: -40 °C to 65 °C (-40 °F to 149 °F) Humidity 10–100% RH (condensing)	-10 °C to 45 °C (14 °F to 113 °F) At 30 W: -10 °C to 55 °C (14 °F to 131 °F) Humidity max. 90% RH (non-condensing)	-40 °C to 50 °C (-40 °F to 122 °F) At 30 W: -40 °C to 55 °C (-40 °F to 131 °F) Humidity 10–100% RH (condensing)	-10 °C to 40 °C (14 °F to 104 °F) At 30 W: -10 °C to 50 °C (14 °F to 122 °F) Humidity max. 95% RH (non-condensing)
Dimensions (H x W x L)	117 x 95 x 41 mm (4.6 x 3.7 x 1.6 in)	33 x 53 x 140 mm (1.3 x 2.1 x 5.5 in)	70 x 150 x 214 mm (2.8 x 5.9 x 8.4 in)	38 x 62 x 151 mm (1.5 x 2.4 x 5.9 in)	70 x 150 x 214 mm (2.8 x 5.9 x 8.4 in)	43 x 84 x 166 mm (1.7 x 3.3 x 6.5 in)
Weight	200 g (0.4 lb)	200 g (0.4 lb)	1 kg (2.4 lb)	320 g (0.7 lb)	1 kg (2.4 lb)	450 g (1 lb)
Included accessories	AXIS Connector A 2-pin 3.81 Straight					AXIS Connector A 2-pin 5.08 Straight
Optional accessories		AXIS T91A03 DIN Rail Clip, Mains Cable Angle C13-Open 0.5 m	Pole Mount Bracket F	AXIS Midspan DIN Clip A, Mains Cable Angle C13-Open 0.5 m	Pole Mount Bracket F	AXIS Midspan DIN Clip A

1) Optional accessory

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