

Axis High Power over Ethernet midspans

High Power over Ethernet for indoor and outdoor installations.



- > Reduced installation costs
- > IEEE 802.3at and IEEE 802.3af compliance
- > Outdoor-ready models
- > Plug-and-play installation
- > Support for Axis PTZ dome network cameras

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 mains power, 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.

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

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.

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 T8124/-E and AXIS T8125 differ for the AC input voltage, which is respectively of 100 to 240 V AC and 24 V AC.

Technical Specifications – Axis High Power over Ethernet midspans

Midspan	
Model	AXIS T81B22 DC 30 W Midspan (1-port) AXIS T8123 High PoE 30 W Midspan 1-port AXIS T8123-E Outdoor Midspan 30 W (1-port) AXIS T8124 High PoE 60 W Midspan 1-port AXIS T8124-E Outdoor Midspan 60 W (1-port) AXIS T8125 AC 24 V Midspan 60 W (1-port)
Function	Data and power are fed to a network video product through an Ethernet cable; use together with a High 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
Data & Power	
Connectors	Shielded RJ45, EIA 568A and 568B AXIS T8125: 2-pin AC terminal block
Network cables	Shielded category 5 (or higher)
Power cable	AXIS T8123-E/T8124-E: Pre-installed 3 m shielded cable, pigtail
Wiring	Data provided over pairs 1/2 and 3/6 for 10/100 Ethernet, over all four pairs for Gigabit Ethernet Power over spare pairs 4/5 (+) and 7/8 (-) AXIS T8124: 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 AXIS T8123-E/T8124-E: Outdoor ready plug-and-play installation; automatically detects PoE and High PoE-enabled devices and supplies inline power

General	
Casing	AXIS T8123-E/T8124-E: Polycarbonate casing. IP66- and NEMA 4X-rated Color: RAL 9002
Display and indicators	Port interfaces are located on the front panel AXIS T81B22: Power indicator: DC power Network indicator: Port AXIS T8123/T8124: System indicator: AC power Channel indicator: Power AXIS T8125: Power indicator: Main LED Data connectivity: Port LED For more information, see www.axis.com/techsup
Compliance	RoHS, WEEE, CE, IEEE 802.3af, IEEE 802.3at AXIS T81B22: IEEE 802.3af and IEEE 802.3at compliant at 12 V DC IN, only IEEE 802.3af compliant at 24 V DC IN
Mounting	Wall or shelf mounting AXIS T81B22: Wall, shelf or DIN rail mounting AXIS T8123-E/T8124-E: Wall or pole mounting
Weight	AXIS T81B22: 200 g (0.4 lb.) AXIS T8123/T8124: 350 g (0.7 lb.) AXIS T8125: 450 g (1 lb.) AXIS T8123-E/T8124-E: 1 kg (2.4 lb.)
Included accessories	AXIS T81B22: DC input terminal connector AXIS T8125: 2-pin AC terminal connector
Optional accessories	AXIS T8123-E/T8124-E: Pole Mount Bracket F

More information is available at www.axis.com and on products' Installation Guide

	AXIS T81B22	AXIS T8123	AXIS T8123-E	AXIS T8124	AXIS T8124-E	AXIS T8125
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 (max. 37 W) 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 (max. 74 W) AC Frequency: 50 - 60 Hz	AC Input Voltage: 100 to 240 V AC Frequency: 50 - 60 Hz	AC Input Voltage: 24 V AC +/- 20% AC Frequency: 50 - 60 Hz
Operating conditions	-20 °C to 65 °C (-4 °F to 149 °F) Humidity max. 95% RH (non-condensing)	-10 °C to 55 °C (14 °F to 131 °F) Humidity max. 95% RH (non-condensing)	-40 °C to 55 °C (-40 °F to 131 °F) at 30 W -40 °C to 65 °C (-40 °F to 149 °F) at 15.4 W Humidity 10 - 100% RH (condensing)	-10 °C to 45 °C (14 °F to 113 °F) at 60 W* -10 °C to 55 °C (14 °F to 131 °F) at 30 W* -10 °C to 60 °C (14 °F to 140 °F) at 25 W or less* Humidity max. 95% RH (non-condensing) *output	-40 °C to 50 °C (-40 °F to 122 °F) at 60 W -40 °C to 55 °C (-40 °F to 131 °F) at 30 W Humidity 10 - 100% RH (condensing)	-10 °C to 40 °C (14 °F to 104 °F) at 60 W* -10 °C to 50 °C (14 °F to 122 °F) at 30 W* Humidity max. 95% RH (non-condensing) *output
Storage	-40 °C to 74 °C (-40 °F to 165 °F)	-20 °C to 70 °C (-4 °F to 158 °F)	-40 °C to 85 °C (-40 °F to 185 °F)	-20 °C to 70 °C (-4 °F to 158 °F)	-40 °C to 85 °C (-40 °F to 185 °F)	-20 °C to 70 °C (-4 °F to 158 °F)
Approvals	FCC Part 15, Class B with FTP cabling, EN 55022 Class B, EN 55024, VCCI, EN 60950-1, ICES-003, C-tick	FCC Part 15, Class B with FTP cabling, EN 55022 Class B, EN 55024, VCCI, CB, UL/cUL per EN 60950-1, GS Mark per EN 60950-1, KCC, UL-AR	FCC part 15, Class B with FTP cabling, EN 55022 Class B, EN 55024, EN 61000-4-5 Class 5 (6kV CM), VCCI, ICES-003, KCC, C-tick, CQC, UL 60950-1, UL 60950-22 (UL/cUL), GS Mark, CB, KC, S-mark, IEC 60529 IP66, NEMA 250 Type 4X, ASTM B-117, GR-1089-CORE, ITU-T K.20 6 kV on AC lines	FCC Part 15, Class B with FTP cabling, EN 55022 Class B, EN 55024, VCCI, CB, UL/cUL per EN 60950-1, GS Mark per EN 60950-1, KCC, UL-AR	FCC part 15, Class B with FTP cabling, EN 55022 Class B, EN 55024, EN 61000-4-5 Class 5 (6kV CM), VCCI, ICES-003, KCC, C-tick, CQC, UL 60950-1, UL 60950-22 (UL/cUL), GS Mark, CB, KC, S-mark, IEC 60529 IP66, NEMA 250 Type 4X, ASTM B-117, GR-1089-CORE, ITU-T K.20 6 kV on AC lines	FCC Part 15, Class B with FTP cabling, EN 55022 Class B, EN 55024, VCCI, KCC, C-tick, CB, UL/cUL per EN 60950-1, GS Mark per EN 60950-1
Environment	Indoor	Indoor	Outdoor	Indoor	Outdoor	Indoor
Dimensions	117 x 95 x 41 mm (4.6 x 3.7 x 1.6 in)	51 x 88 x 166 mm (2 x 3.5 x 6.5 in)	70 x 150 x 214 mm (2.8 x 5.9 x 8.4 in)	51 x 88 x 166 mm (2 x 3.5 x 6.5 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)