Axis Power over Ethernet midspans & splitters

Network video without the need for power outlets

> > **Reduced installation costs**
>
> > **IEEE 802.3af compliance**

Power over Ethernet (PoE) offers an easy, fast and cost-effective solution for supplying power to network video products without the need to install power outlets and electrical cabling. Simply connect the Axis PoE midspans and PoE splitters to the network, and the network video products are supplied with power.

Axis PoE midspans provide power (max. 15.4 W per port) over Ethernet cables to network video products with built-in PoE support. For a network video product without built-in PoE support, a PoE splitter must be used to separate power and data coming over the network cable.

The PoE products enable network cameras and video encoders to be installed in areas where traditional power cabling and outlets are unavailable or difficult to install. Installations are made easier and costs are reduced.

Axis PoE midspans and PoE splitters are IEEE 802.3af compliant, which ensures compatibility with most of Axis products that have built-in support for PoE.

For network cameras such as PTZ (pan/tilt/zoom) and PTZ dome cameras that require higher power than what PoE products can provide, High PoE midspans and splitters are available. See Axis High Power over Ethernet midspan and splitters datasheet.

Technical Specifications – Axis Power over Ethernet midspans

Models	AXIS T8120 Midspan 15 W 1–port AXIS Power over Ethernet Midspan 8 port AXIS Power over Ethernet Midspan 16 port

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
Date rate	10/100 Mbps

Data & power

Connectors	Shielded RJ45, EIA 568A/568B
Network cables	Shielded category 5 (or higher) Ethernet
Wiring	AXIS T8120: Mode B; data provided over pairs 1/2 and 3/6, power over spare pairs 4/5 (+) and 7/8 (-) AXIS PoE midspans 8- and 16–port: Mode A; data and power provided over pairs 1/2 (+) and 3/6 (-)
Power	48 V DC (max. 15.4 W/port)
Input power	AXIS T8120: AC input voltage: 100 - 240 V AC (50/60 Hz) AC frequency: 47-63 Hz AC input current: 0.5 A maximal AXIS PoE midspans 8- and 16–port: AC input voltage range: 90–264 V AC AC Input frequency: 47-63 Hz AC input current: 4.5 A (RMS) max. for 90 V AC 2.25 A (RMS), max. for 240 V AC
Installation and management	Plug-and-play installation; midspans automatically detect all devices with support for PoE and supply inline powerLocal LED management display
Port auto-sensing	Standard IEEE 802.3af auto-sensing, Pre-standard backward compatibility algorithm (AXIS T8120 Midspan 15 W 1-port only)

General

Display and indicators	All port interfaces are located on the front panel for easy access and real-time network monitoring System: AC power, Channel indicator - power and fault For more information, see www.axis.com/techsup
Compliance	IEEE 802.3 standard (when no inline power is supplied) and IEEE 802.3af, DTE Power via Media Dependent Interface (MDI)
Mounting	AXIS T8120: Wall or shelf mounting AXIS PoE midspans 8- and 16-port: Prepared for 19", 1U rack installation
Approvals	cUL/UL, TUV, CE AXIS T8120: FCC Part 15 Class B, EN 55022 (CISPR 22) Class B AXIS PoE midspans 8- and 16–port: TUV EN 60950, FCC Class B, EN 55022 Class B, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11, EN 61000-3-2 Class A
Operating conditions	0 °C to 40 °C (32 °F to 104 °F) Humidity 10-90% RH (non-condensing)
Dimensions	AXIS T8120: 33 x 53 x 140 mm (1.3 x 2.1 x 5.5 in) AXIS PoE midspans 8- and 16–port: 44.5 x 228 x 438 mm (1.8 x 8.9 x 17.3 in)
Weight	AXIS T8120: 450 g (1 lb) AXIS PoE midspans 8- and 16–port: 4.1 kg (9 lb)
Optional accessories	AXIS T8120: AXIS T9103 DIN Rail Clip
Warranty	AXIS T8120: Axis 3-years warranty, see www.axis.com/warranty AXIS PoE midspans 8- and 16–port: Axis 1-year warranty, see www.axis.com/warranty

Technical Specifications – Axis Power over Ethernet splitters

Models	AXIS PoE Active Splitter 5 V AF (only supported by 1-port Midspan) For a complete list of supported products, please refer to www.axis.com/products/poi/poe/
Function	Separate data and power coming over a network cable for a network video product without built-in PoE support

Data & power

Connectors	Data & power in: Shielded RJ45 Data out: Shielded RJ45; Power out: DC barrel connector, cable adapter for supported network video products
Power	2 A at 5 V DC
Input power	48 V nominal
Installation and management	Plug-and-play installation between midspan and network video product

General

Operating conditions	0 °C to 40 °C (32 °F to 104 °F) Humidity 10-90% RH (non-condensing)
Approvals	FCC Part 15 subpart B Class A, EN 55022 (CISPR 22) Class A, EN 55024 (CISPR 24)
Dimensions	25 x 55 x 81 mm (1 x 2.2 x 3.2 in)
Weight	100 g (0.22 lb)
Warranty	Axis 1-year warranty, see www.axis.com/warranty

More information is available at www.axis.com

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