

Axis High Power over Ethernet midspans & splitters

High Power over Ethernet for Axis PTZ & PTZ dome network cameras.



- > Reduced installation costs
- > Support for Axis PTZ and PTZ dome network cameras
- > IEEE 802.3at
- > IEEE 802.3af compliance

Axis High Power over Ethernet midspans and splitters offer an easy, fast and cost-effective solution for powering network video products – specifically PTZ (pan/tilt/zoom) and PTZ dome network cameras – without the need to install power outlets and electrical cabling.

Axis High Power over Ethernet (High PoE) midspans and splitters enable 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 and splitters are used to power network devices that require more power, as specified by the IEEE 802.3at standard. The midspans are also IEEE 802.3af compliant, meaning that they can be used with all Axis network video products with built-in PoE support.

The function of a midspan is to inject power into a network cable. A splitter, which separates data and power coming over an Ethernet cable, is used for a network video product without built-in support for PoE.

Technical Specifications – Axis High Power over Ethernet midspans

Midspan	
Model	AXIS T8123 High PoE 30 W Midspan 1-port AXIS T8124 High PoE 60 W Midspan 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
Data rate	10/100/1000 Mbps
Data & Power	
Connectors	Shielded RJ-45, EIA 568A and 568B
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 Power over spare pairs 4/5 (+) and 7/8 (-)
Output power	AXIS T8123: 55 V DC (max. 30 W) AXIS T8124: 54–57 V DC (max. 60 W)
Input power	AXIS T8123: AC Input Voltage: 100 to 240 V AC (max. 37 W) AC Frequency: 50 - 60 Hz AXIS T8124: AC Input Voltage: 100 to 240 V AC (max. 74 W) AC Frequency: 50 - 60 Hz
Installation and management	Plug-and-play installation; automatically detects PoE and High PoE-enabled devices and supplies inline power Local LED management display

General	
Display and indicators	Port interfaces are located on the front panel System indicator: AC power Channel indicator: power For more information, see www.axis.com/techsup
Compliance	IEEE 802.3at, IEEE 802.3af, RoHS, WEEE, CE
Mounting	Wall or shelf mounting
Approvals	FCC Part 15, Class B with FTP cabling CE: EN 55022 Class B (Emissions), EN 55024 (Immunity), VCCI Safety: CB, UL/cUL per EN 60950-1, GS Mark per EN 60950-1, KCC, UL-AR
Operating conditions	AXIS T8123: 0 – 40° C (32 – 104°F) Humidity max. 95% RH (non-condensing) AXIS T8124: -10 – 45°C at 60W (14 – 113°F) -10 – 55°C at 30W (14 – 131°F) Humidity max. 95% RH (non-condensing)
Dimensions (HxWxD) and weight	51.3 x 87.9 x 166 mm (2.0" x 3.46" x 6.53") AXIS T8123: 350 g (0.771 lbs) AXIS T8124: 400 g (0.881 lbs)

Technical Specifications – Axis High Power over Ethernet splitters

Splitters	
Models	AXIS T8126 High PoE Splitter 12V AXIS T8128 High PoE Splitter 24V
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 RJ 45 Data out: Shielded RJ-45 Power out: DC barrel connector; with '+' centered
Output current	AXIS T8126: 2 A at 12 V DC AXIS T8128: 1 A at 24 V DC
Input power	max. 30 W
Installation	Plug-and-play installation between midspan and camera

General	
Compliance	WEEE, CE
Operating conditions	0 – 40° C (32 – 104°F) Humidity max. 90% RH (non-condensing)
Approvals	FCC Part 15 Class A FTP, Class A UTP EN55022 (CISPR 22) Class A Immunity EN55024 (CISPR 24)
Dimensions (HxWxD) and weight	94 x 31 x 73 mm (3.7" x 1.12" x 2.87") 112 g (0.247 lbs)
Included accessories	AXIS T8126 – cable adapters for AXIS 213 PTZ, AXIS 214 PTZ, AXIS 215 PTZ, AXIS 225FD, AXIS 210, video encoders AXIS T8128 – cable adapter for AXIS 231D+, AXIS 232D+, AXIS 233D

System overview

