

AXIS T8129 Power over Ethernet Extender

The smart solution for covering distances.



- > More than 100 m (328 ft) Ethernet and PoE connection
- > Compatible with IEEE 802.3af and IEEE 802.3at
- > No additional power supply is required
- > Full-rate network throughout the whole extended distance

Ethernet and PoE connections both restrict cable distances to 100 m (328 ft) between network ports. To overcome this distance limit, network installers can simply connect an AXIS T8129 PoE Extender in-line with the Cat-5e or Cat-6 cable.

With AXIS T8129 PoE Extender, Axis' network video products can be installed at greater distances than 100 m (328 ft) from one another. By connecting AXIS T8129 for every extra 100 m (328 ft) of cable, both Ethernet and PoE can be extended to 200 m (656 ft), 300 m (984 ft), or even greater distances; depending on camera model and power source.

AXIS T8129 PoE Extender is compatible with all Axis network video products supporting PoE. Range depends on the power required, so a 25 W PTZ dome camera may be located 200 m (656 ft) away using a single AXIS T8129.

Or, the cable length to a regular 5 W network camera may extend up to 400 m (1312 ft), by fitting three AXIS T8129 at 100 m (328 ft) intervals.

AXIS T8129 does not require any additional power supply and the connected network camera is fed by a single PoE switch or midspan, which simplifies installation. AXIS T8129 offers two Ethernet ports, which are both configured automatically for link speed, duplex and crossover and the full-rate network throughput is maintained.

Technical Specifications – AXIS T8129 Power over Ethernet Extender

Models	AXIS T8129 PoE Extender
Display	
Date rate	10/100 Mbps half/full duplex
Connectors	Shielded RJ45, EIA 568A and 568B
Network cables	Shielded category 5 (or higher)
Installation and management	Plug-and-play installation; automatically forwards in-line power to PoE and High PoE-enabled devices
General	
Display and indicators	LED indicators are located on the RJ45 connector Power indicator: PoE enabled (Green) Network indicator: Link/activity (Yellow)
Compliance	IEEE 802.3af, IEEE 802.3at, RoHS, WEEE, CE

Mounting	Wall or shelf
Environment	Indoor
Operating conditions	-10 °C to 50 °C (14 °F to 122 °F) Humidity max. 85% RH (non-condensing)
Storage conditions	-40 °C to 74 °C (-40 °F to 165 °F)
Approvals	EN 55022 Class B, EN 55024, FCC Part 15 Subpart B Class B with FTP cabling
Dimensions	105 x 40 x 22 mm (4.1 x 1.6 x 0.9 in)
Weight	45 g (1.6 oz)

More information is available at www.axis.com

Maximum distances depending on power source

The actual figures depend on operating conditions. Range is over 24 AWG or heavier Cat-5e or Cat-6 cable except where specified:

Camera model	PoE Source		
	PoE switch or Axis 15 W midspan (IEEE 802.3af)	PoE+ switch (IEEE 802.3at)	Axis 30 W midspan (IEEE 802.3at)
Low power PoE cameras <i>Cameras that are PoE Class 1, or require under 6 watts, for example:</i> AXIS M11 Network Cameras Series AXIS 221 Network Camera AXIS M30, AXIS M31-R, AXIS M31-VE, AXIS M32 Network Camera Series AXIS P33 Network Cameras (Indoor models) AXIS 212 PTZ-V Network Camera	300 m (984 ft) Required number of AXIS T8129: 2	400 m (1312 ft) Required number of AXIS T8129: 3	400 m (1312 ft) Required number of AXIS T8129: 3
Medium power PoE cameras <i>Cameras that are PoE Class 1 or 2, or require under 12 watts, for example:</i> AXIS M1054 Network Camera AXIS P13 Network Cameras (Indoor models) AXIS Q16 Network Cameras (Indoor models) AXIS Q1755 Network Camera AXIS Q19 Network Camera Series AXIS P33 Network Cameras (Outdoor models)	200 m (656 ft) Required number of AXIS T8129: 1	200 m (656 ft) Required number of AXIS T8129: 1	300 m (984 ft) Required number of AXIS T8129: 2
Full power PoE or PoE+ cameras <i>Cameras that are PoE 802.3af or 802.3at compliant, for example:</i> AXIS P13-E Network Cameras AXIS Q16-E Network Cameras AXIS Q1755-E Network Camera AXIS P55 Network Camera Series AXIS Q60 Network Cameras (Indoor models)	-	200 m (656 ft) Required number of AXIS T8129: 1	200 m (656 ft) Required number of AXIS T8129: 1
Custom High PoE cameras AXIS Q60-E Network Cameras	-	-	200 m (656 ft)* (together with Axis 60 W midspan) Required number of AXIS T8129: 1

* use 23AWG or heavier cable (typically Cat-6)

Configuration examples

1. Ethernet switch
2. Power
3. Axis midspan

