

# AXIS TU8003 90 W Connectivity Midspan

For network and fiber installations up to 90 W

AXIS TU8003 90 W Connectivity Midspan with portcast technology uses the camera's IP address to provide seemingly camera-integrated audio and I/O connectivity. This enables audio and video in one stream over the network with no extra VMS license. And, with remote on/off functionality with I/O, it's possible to save power if needed.

- > [Audio and I/O ports](#)
- > [Support for Axis PTZ cameras](#)
- > [IEEE 802.3bt and AXIS High PoE](#)
- > [SFP slot for fiber](#)
- > [External power control](#)



# AXIS TU8003 90 W Connectivity Midspan

## 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

### Data rate

10/100/1000 Mbps

### Installation and management

Automatically detects PoE and High PoE-enabled devices and supplies inline power  
Status LED indicators

## Data & power

### Power

High Power over Ethernet, max 90 W  
Power over Ethernet (PoE) IEEE 802.3bt Type 4

### Input

AC input voltage: 100 to 240 V AC  
AC frequency: 50–60 Hz

### Output

54 V DC (max 90 W)

### Connectors

Shielded RJ45, EIA 568A and 568B  
SFP slot (1 Gbit only)  
Power connector C14  
I/O: 6-pin 2.5 mm terminal block  
Audio: 4-pin 2.5 mm terminal block

### Wiring

Data provided over pairs 1/2 and 3/6 for 10/100 Ethernet, over all four pairs for Gigabit Ethernet  
Power over pairs 1/2 (-), 3/6 (+), 4/5 (+) and 7/8 (-)

## Audio

### Streaming

Two-way, full duplex

### Encoding

24 bit LPCM, AAC-LC 8/16/32/48 kHz,  
G.711 PCM 8 kHz, G.726 ADPCM 8 kHz,  
Opus 8/16/48 kHz  
Configurable bitrate

### Input/output

External microphone input or line input, line output

## I/O interface

### I/O functionality

Three configurable inputs/digital outputs  
One fixed input  
12 V DC output, max load 50 mA

## Approvals

### Product markings

UL/cUL, BIS, CE, KC, VCCI, RCM

### Supply chain

TAA compliant

### EMC

EN 55035, EN 55032 Class A, EN 50121-4,  
EN 61000-3-2, EN 61000-3-3, EN 61000-6-1,  
EN 61000-6-2, IEC 62236-4  
**Australia/New Zealand:** RCM AS/NZS CISPR 32 Class A  
**Japan:** VCCI Class A  
**Korea:** KS C 9835, KS C 9832 Class A  
**USA:** FCC Part 15 Subpart B Class A

### Safety

CAN/CSA C22.2 No. 62368-1 ed.2,  
IEC/EN/UL 62368-1 ed.2, IEC/EN 60950-1, IS 13252, CB

## Cybersecurity

### Documentation

*AXIS OS Hardening Guide*  
*Axis Vulnerability Management Policy*  
*Axis Security Development Model*  
AXIS OS Software Bill of Material (SBOM)  
To download documents, go to [axis.com/support/cybersecurity/resources](https://axis.com/support/cybersecurity/resources)  
To read more about Axis cybersecurity support, go to [axis.com/cybersecurity](https://axis.com/cybersecurity)

## General

### Casing

Polycarbonate casing  
Color: white NCS S 1002-B

### Display and indicators

PoE LED  
Power LED

### Mounting

Wall, shelf or DIN rail<sup>1</sup>

### Power

Max AC power consumption: 118 V A

### Operating conditions

Up to 30 W:

-25 °C to 60 °C (-13 °F to 140 °F)

Up to 60 W:

-25 °C to 50 °C (-13 °F to 122 °F)

Up to 90 W:

-25 °C to 35 °C (-13 °F to 95 °F)

When mounted inside AXIS T91G61 and connected to an outdoor PTZ:

-50 °C to 50 °C (-58 °F to 122 °F)

Humidity 10–85% RH (non-condensing)

Maximum temperature according to NEMA TS 2 (2.2.7) open air<sup>2</sup>: 74 °C (165 °F)

Start-up temperature: -40 °C (-40 °F)

### Storage conditions

-40 °C to 65 °C (-40 °F to 149 °F)

Humidity 5–95% RH (non-condensing)

### Dimensions

56 x 80 x 184 mm (2.2 x 3.1 x 7.2 in)

### Weight

415 g (0.91 lb)

### Cable length

1.8 m

### Box content

Midspan, installation guide, owner authentication key

### Optional accessories

AXIS T91A03 DIN Rail Clip  
Mains Cable Angle C13-Open 0.5 m  
For more accessories, see [axis.com](https://www.axis.com)

### Warranty

5-year warranty, see [axis.com/warranty](https://www.axis.com/warranty)

## Sustainability

### Substance control

PVC free

RoHS in accordance with EU RoHS Directive 2011/65/EU/ and EN 63000:2018

REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see [axis.com/partner](https://www.axis.com/partner).

### Environmental responsibility

[axis.com/environmental-responsibility](https://www.axis.com/environmental-responsibility)

Axis Communications is a signatory of the UN Global Compact, read more at [unglobalcompact.org](https://www.unglobalcompact.org)

1. Sold as optional accessory

2. When installed outside of AXIS T91G61 Wall Mount