

AXIS T8646

Multi-channel migration to IP. Keep the coax.

AXIS T8646 PoE+ over Coax Blade Kit enables legacy coax cabling to be kept when converting an analog system to digital, and comprises one AXIS T8646 PoE+ Over Coax Blade and six AXIS T8642 PoE+ over Coax Device units. With AXIS T8085 500 W or AXIS T8082 power supply, it delivers standard Power over Ethernet (PoE) and centrally-sourced power through existing coax cabling. AXIS T8646 Kit is also suitable for long-range installations as local power can be added to the device unit for maximum power efficiency.

- > No need for re-cabling, keep the coax
- > Multi-channel solution
- > PoE and PoE+ over the coax cable
- > Ease of installation
- > Supports Axis network video products



AXIS T8646

Variants

1x AXIS T8646 PoE+ over Coax Blade
6x AXIS T8642 PoE+ over Coax Devices

Data & power

Data rate

Coaxial cable: 100 + 100 Mbps symmetrical to full range

Connectors

AXIS T8646: 6x BNC 75 Ohm coaxial connectors
DC power input for optional PoE over Coax
AXIS T8642: 1x BNC 75 Ohm coaxial connector,
Shielded RJ45, EIA 568A and 568B

Network cables

Any 75 Ohm coaxial (other impedances supported), to 500 m /1600 ft at full rate, see range table on www.axis.com.

Output

AXIS T8646: PoE over Coax with safe auto-detection and auto-cutout
AXIS T8642: Power over Ethernet Plus (PoE+)
IEEE 802.3at Type 2 Class 4 enabled to detected devices up to 25.5 W

Input

AXIS T8646: Powered by encoder chassis, DC input to enable PoE/PoE+ (needed to power camera)
AXIS T8642: PoE over Coax or DC power supply

DC Power supply: AXIS T8003 PS57 or 44–57 V DC Class 2 isolated supply (max. 0.7 amps)

Device power: 1.5 W

Installation and management

Plug-and-play installation; Automatically detects PoE and PoE+ enabled devices and supplies in-line power
Local LED management display on AXIS T8642, status LEDs on AXIS T8646

General

Casing

AXIS T8642:

Plastic

Color: white NCS S 1002-B

Display and indicators

Green/Amber/Red power LED
Green/Amber/Red coax link/activity LED, 1 per channel
Green/Amber/Red PoE+ over coax LED, 1 per channel

Mounting

AXIS T8646: Axis video encoder chassis only

Environment

Indoor

Operating conditions

0 °C to 45 °C (32 °F to 113 °F)
Humidity 20–85% RH (non-condensing)

Approvals

EN 55022 Class A, EN 55024,
FCC Part 15 Subpart B Class A, ICES-003 Class A,
VCCI Class A, C-tick AS/NZS CISPR 22 Class A,
IEC/EN/UL 60950-1

Weight

AXIS T8646: 270 g (0.6 lb)
AXIS T8642: 88 g (0.2 lb)

Warranty

5-year warranty, see axis.com/warranty