

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

Models	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

Environmental responsibility:

axis.com/environmental-responsibility