



AP-FEX-0100-R AP-FEX-0105-R AP-FEX-0105-T AP-FEX-0200-T

Indoor EPoC Extender



Long Range Solution • Analog to IP • Quick Installation

Introduction

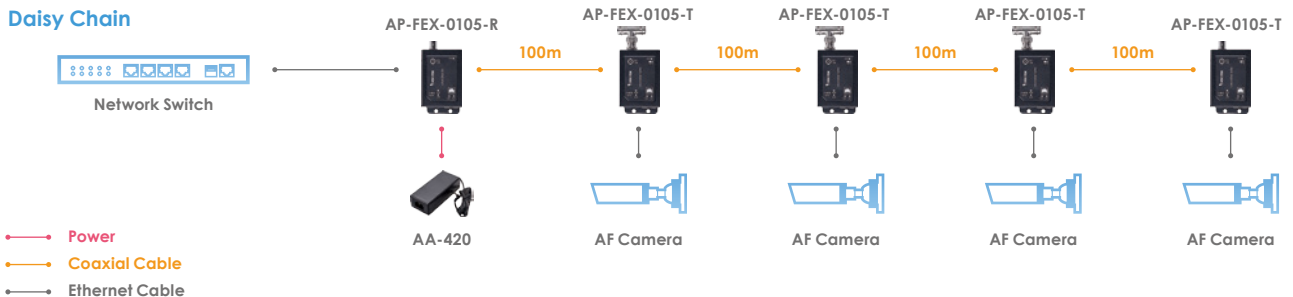
The EPoC (Ethernet & Power over Coaxial) line is a long-range solution providing Fast Ethernet and Power over RG6 coaxial cables up to 1200m for IP cameras. This product line is the best solution for transforming CCTV to IP cameras without needing to change legacy RG59 cables, thereby saving on wiring costs. Additionally, EPoC transmits both power and data to IP cameras whereas fiber solutions only provide data.

Key Features

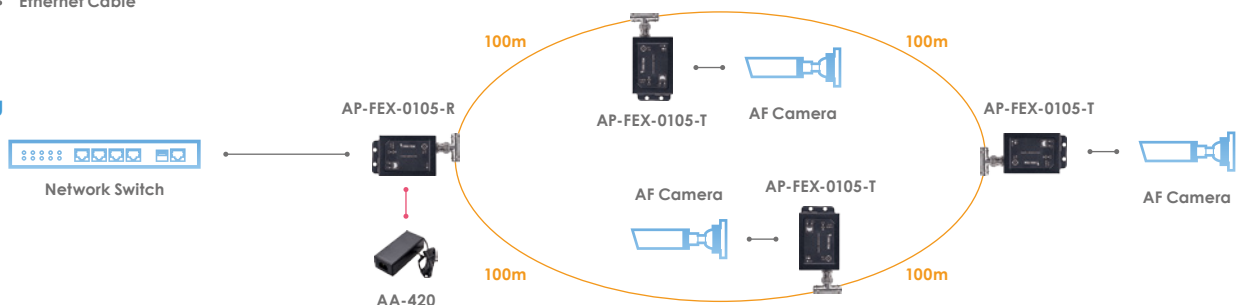
- Extend Ethernet and Power up to 1,200m (3,937 ft) over RG6 Coaxial Cable
- Support Ring Topology up to 4 IEEE 802.3af Camera for Power Redundancy
- Support Daisy Chain Topology up to 4 IEEE 802.3af Camera
- Easy Installation for A Smooth Transition from Legacy to IP Camera
- Both Wall Mount and Rackmount Supported

Application

Daisy Chain



Ring



Application - Distance/Power Table

AP-FEX-0105-T

Length of Coaxial Cable (RG6)	Power with AA-420 65W (Watt)	Power with AP-GIC-011A-095 95W (Watt)
300 m (984 ft)	26.4 W	26.4 W
500 m (1,640 ft)	17.48 W	17.48 W
800 m (2,625 ft)	12.63 W	12.63 W
1000 m (3,281 ft)	8.84 W	8.84 W
1200 m (3,937 ft)	8.48 W	8.48 W
2400 m (7,873 ft)	Data only (100Mbps)	Data only (100Mbps)

AP-FEX-0200-T

Length of Coaxial Cable (RG6)	Power with AA-420 65W (Watt)	Power with AP-GIC-011A-095 95W (Watt)
100 m (328 ft)	20 W per port	20 W per port
300 m (984 ft)	12 W per port	12 W per port
500 m (1,640 ft)	8 W per port	8 W per port

Note: The length of network cable for IP cameras is 100m with CAT5e cable.
 Note: The power will vary depending on the quality of coaxial cables due to the resistance value.

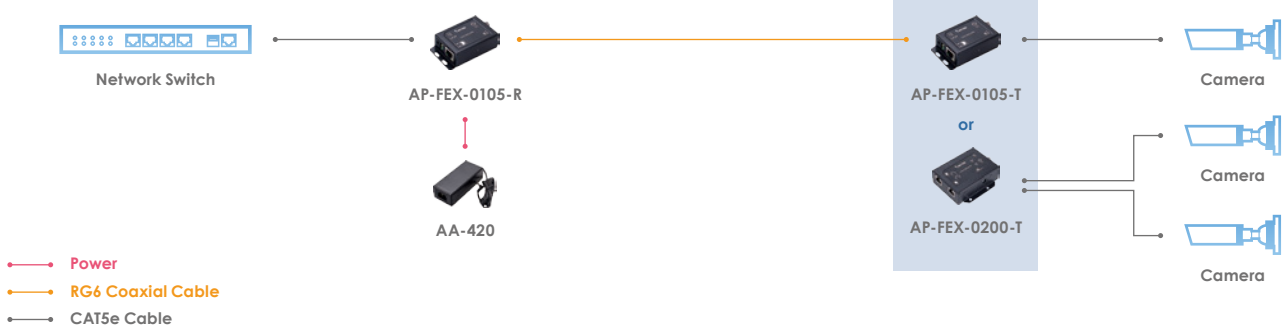
EPoC Solution Kit

Ordering Information

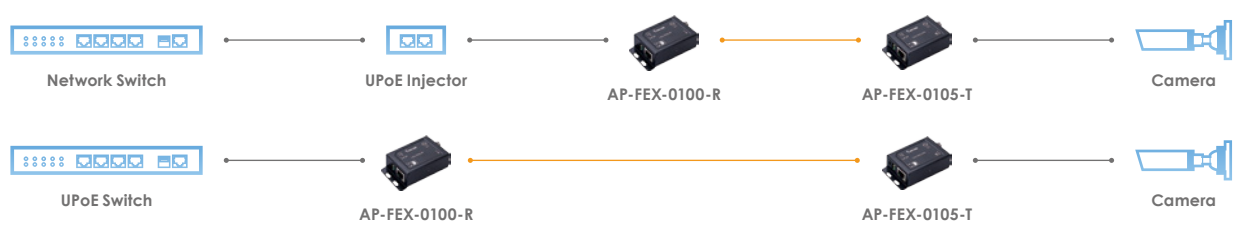
Model	Content	Description	P/N
AP-FEX-0100-R	AP-FEX-0100-R	1 Port EPoC PoE in Rx Module	900051500G
		1 Port EPoC Rx Module, US	100187300G
		1 Port EPoC Rx Module, EU	100187310G
AP-FEX-0105-R	AP-FEX-0105-R + AA-420	1 Port EPoC Rx Module, UK	100187320G
		1 Port EPoC Rx Module, AU	100187330G
		1 Port EPoC Rx Module, JP	100187340G
AP-FEX-0105-T	AP-FEX-0105-T	1 Port EPoC Tx Module	900052500G
AP-FEX-0200-T	AP-FEX-0200-T	2 Ports EPoC Tx Module	900053600G
		EPoC DC kit, US	199004400G
		EPoC DC kit, EU	199004410G
		EPoC DC kit, UK	199004420G
		EPoC DC kit, AU	199004430G
AP-FEX-0105-D	AP-FEX-0105-R + AP-FEX-0105-T + AA-420	EPoC DC kit, JP	199004440G
		EPoC PoE kit	199004300G

EPoC Solution Kit

DC input



PoE input



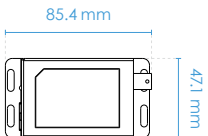
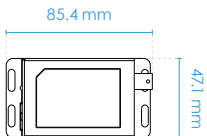
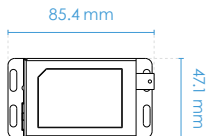
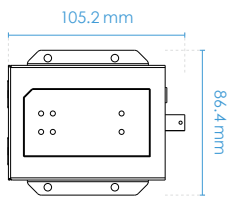
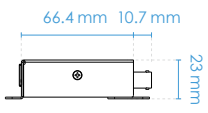
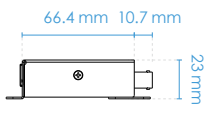
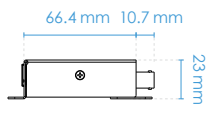
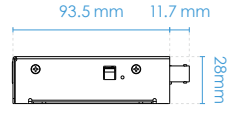
Note: VIVOTEK's EPoC Rx modules are only compatible with EPoC Tx modules

Technical Specifications



Model	AP-FEX-0100-R	AP-FEX-0105-R	AP-FEX-0105-T	AP-FEX-0200-T
Product Description	1 Port EPoC PoE in Rx Module	1 Port EPoC Rx Module	1 Port EPoC Tx Module	2 Ports EPoC Tx Module
BNC Port (75Ω)	1	1	1	1
Ethernet Port	1 x 10/100Mbps RJ45	1 x 10/100Mbps RJ45	1 x 10/100Mbps RJ45	2 x 10/100Mbps RJ45
DC Jack	-	1	1	1
PoE on/off switch	-	-	1	2
Transmission Mode	Rx	Rx	Tx	Tx
Max. PoE Distance (RG6)	1.2km/8W	1.2km/8W	1.2km/8W	500m/8W
Max. Ethernet Distance (RG6)	2.4 km	2.4 km	2.4 km	2.4 km
Power Input	PoE in up to 95W	DC 56V	DC 56V	DC 56V
Power Consumption	2W	2W	2W	2W
PoE Standard	802.3at/af	802.3at/af	802.3at/af	802.3at/af
Dimension (mm)	85.4 (D) x 47.1 (W) x 23 (H)	85.4 (D) x 47.1 (W) x 23 (H)	85.4 (D) x 47.1 (W) x 23 (H)	105.2 (D) x 86.4(W) x 28.0 (H)
Weight	0.2 kg (0.44lb)	0.2 kg (0.44lb)	0.2 kg (0.44lb)	0.26 kg (0.57 lb)
Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Temperature	-20°C ~ 85°C (-4°F ~ 185°F)	-20°C ~ 85°C (-4°F ~ 185°F)	-20°C ~ 85°C (-4°F ~ 185°F)	-20°C ~ 85°C (-4°F ~ 185°F)
Operating Humidity	5% ~ 95% non-condensing	5% ~ 95% non-condensing	5% ~ 95% non-condensing	5% ~ 95% non-condensing
Safety Certification	CE, FCC, VCCI, LVD	CE, FCC, VCCI, LVD	CE, FCC, VCCI, LVD	CE, FCC, VCCI

Technical Specifications

Model	AP-FEX-0100-R	AP-FEX-0105-R	AP-FEX-0105-T	AP-FEX-0200-T
Dimension				
				

Optional Accessories

<p>Power Adapter</p>  <p>AA-420 65W@56V Power Adapter for AP-FEX-0105-R</p>	<p>PoE Injector</p>  <p>AP-GIC-011A-060/095 For AP-FEX-0100-R</p>	<p>Rackmount</p>  <p>AR-100 Supports up to 4x AP-FEX-0105-R + 4x AA-420</p>
<p>Rackmount</p>  <p>AR-101 Supports up to 8x AP-FEX-0100-R</p>	<p>BNC Surge Protector</p>  <p>AT-BSP-001 For AP-FEX-0105-R & AP-FEX-0100-R</p>	