



AP-FEX-0150-T AP-FEX-0250-T

1 Port & 2 Port Outdoor EPoC Extender



Long Range Solution • Surge Protection • IP67 • IK10

Introduction

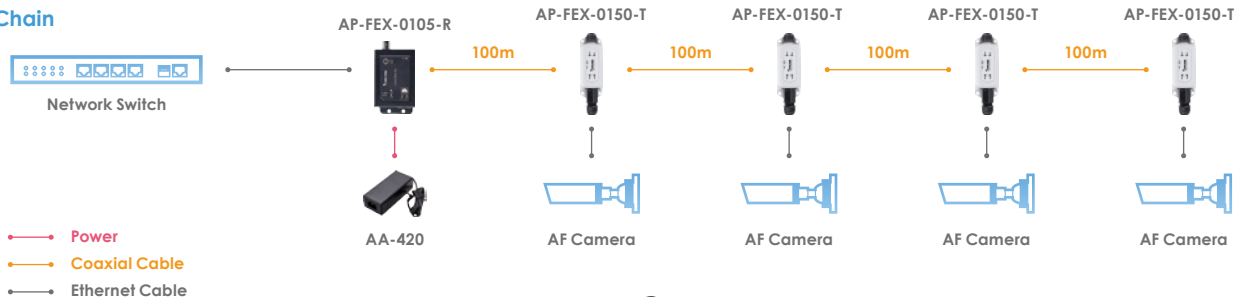
The EPoC (Ethernet & Power over Coaxial) line is a long-range solution providing Fast Ethernet and Power over RG6 coaxial cables up to 1200m for IP cameras. This outdoor product line is the best solution for transforming CCTV to IP cameras without needing to change legacy RG59 cables, thereby saving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

Key Features

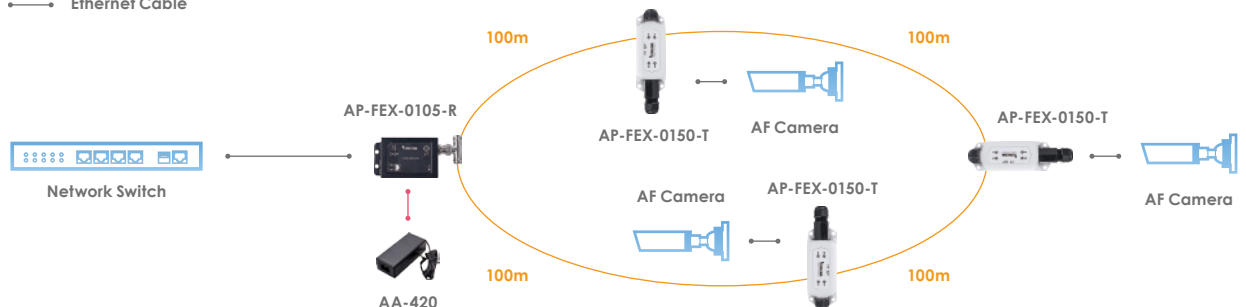
- Weather-proof IP67-rated and Vandal-proof IK10-rated Housing
- Built-in 6KV Surge Protection for BNC Port
- Extend Ethernet and Power up to 1,200 m (3,937 ft) over RG6 Coaxial Cable
- Support Ring Topology up to 4 IEEE 802.3af Camera for Power Redundancy
- Support Daisy Chain Topology up to 4 IEEE 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 Chart

Length of Coaxial Cable (RG6)	Power with AA-420 65W (Watt)	Power with AP-GIC-011A-095 95W (Watt)
300 m (984 ft)	25.2 W	18.1 W
500 m (1,640 ft)	17.64 W	12.6 W
800 m (2,625 ft)	11.76 W	8 W
1200 m (3,937 ft)	7.56 W	5.1 W
2400 m (7,873 ft)	Data only (100Mbps)	Data only (100Mbps)

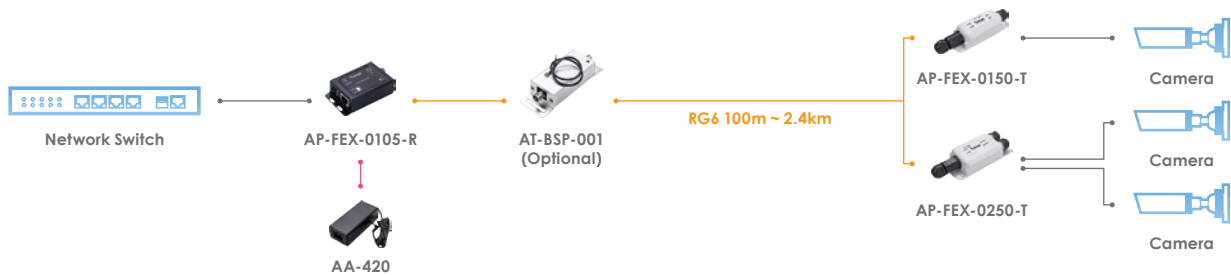
Note: The length of network cable for IP cameras is 100m with CAT5e cable.
 Note: The power will vary depending on the quality of coaxial cables due to the resistance value.

EPoC Solution Kit

Ordering Information

Model	Content	Description	P/N
AP-FEX-0150-T	AP-FEX-0150-T	Outdoor 1 Port EPoC Tx Module	900052800G
AP-FEX-0250-T	AP-FEX-0250-T	Outdoor 2 Port EPoC Tx Module	900052900G

DC input



PoE input



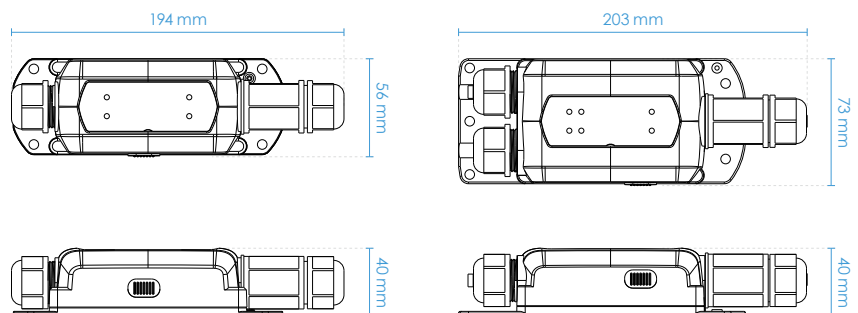
- Power
- RG6 Coaxial Cable
- CAT5e Cable

Note: VIVOTEK'S EPoC Tx modules are only compatible with EPoC Rx modules and switches.




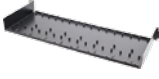

Technical Specifications

Model	AP-FEX-0150-T	AP-FEX-0250-T
Product Description	Outdoor 1 Port EPoC Tx Module	Outdoor 2 Port EPoC Tx Module
BNC Port (75Ω)	1	1
Ethernet Port	1	2
PoE On/Off Switch	1	2
Transmission Mode	Tx	Tx
Max. PoE Distance (RG6)	1.2 km/7.5W	500 m per port/Total 17W
Max. Ethernet Distance (RG6)	2.4 km	2.4 km
Power Input	DC 56V	DC 56V
Power Consumption	3W	3W
PoE Standard	802.3at/af	802.3at/af
BNC Surge Protection	6KV	6KV
Water Proof	IP67	IP67
Vandal Proof	IK10	IK10
Dimension	194 (D) x 56 (W) x 40 (H) mm	203 (D) x 73 (W) x 40 (H) mm
Weight	0.3 kg (0.66lb)	0.36 kg (0.79lb)
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	5% ~ 95% non-condensing	5% ~ 95% non-condensing
Safety Certification	CE, FCC, VCCI	CE, FCC, VCCI

Dimension



Optional Accessories

Power Adapter	PoE Injector	
 <p data-bbox="209 383 472 450">AA-420 65W @56V Power Adapter for AP-FEX-0105-R only</p>	 <p data-bbox="715 383 879 427">AP-GIC-011A-060 For AP-FEX-0100-R</p>	 <p data-bbox="1169 383 1334 427">AP-GIC-011A-095 For AP-FEX-0100-R</p>
Rackmount		BNC Surge Protector
 <p data-bbox="193 622 488 689">AR-100 Supports up to 4 AP-FEX-0105-R + 4 AA-420</p>	 <p data-bbox="651 622 938 667">AR-101 Supports up to 8x AP-FEX-0100-R</p>	 <p data-bbox="1094 622 1414 667">AT-BSP-001 For AP-FEX-0100-R & AP-FEX-0105-R</p>