

POC252-1CXP-1T

1-port POC unit media converter

Overview

The IFS® Power over Coax Network Switches and Media Converters by Interlogix® are designed to transmit both Ethernet data and PoE over coax cable up to 1 km (3,280 ft). This solution provides a cost-effective approach by reducing installation cost and increasing ROI by utilizing existing coax to migrate an existing analog video system to an IP video surveillance system.

The PoC Network Switches also provide built-in PD-alive monitor health and status of an IP camera. In addition, this solution eliminates the need for providing local power at an IP PoE camera location.

- The POC2502-8CXP-2T-2S is an 8-port Power over Coax Managed Switch that supplies data and power transmission on coax via BNC ports. In addition, the two RJ45/SFP Gigabit combo ports provide a connection to an Ethernet network.

- The POC2502-16CXP-2T-2S is a 16-port Power over Coax Managed Switch. The switch supplies data and power transmission on coax via BNC ports as well as two RJ45/SFP Gigabit combo ports for connection to an Ethernet network.

- The POC252-1CX-1P Power over Coax Media Converter is for use at the camera end to convert the data/power from the coax. The switch provides 10/100Mbps data and POE-af/at compliant power on the RJ45 port for an IP camera.

- The POC252-1CXP-1T Power over Coax Media Converter transmits data and injects power over coax for use with the POC252-1CX-1P. This is used to deploy a single IP camera on a length of coax cable and a multi-port BNC switch is not needed. This media convertor is for use at the switch end of a system.



Details

- 1-port (COAX) with up to 36W power output
- Auto-negotiation and auto-MDI/MDI-X
- IEEE 1901 communication Standard
- Wavelet-OFDM modulation
- 128-bit AES security encryption
- Daisy-chain (up to 3 devices on one link)
- Half-duplex back pressure and IEEE802.3x full-duplex pause-frame flow control
- Remote power up to 1 km
- Compatible with POC252-1CX-1P (Camera End) Media Converter

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Technische specificaties

Algemeen

Technologie	IEEE1901
Compatibel met MCR-rek	Nee

Aansluitingen

Coax-poorten	1
Aansluiting	BNC
RJ45-poorten	1
Type poort	10/100
Storingsrelais uitgang	Nee

Elektrisch

Type voeding	52 tot 56 VDC
Vermogensverbruik	Max. 34 W (Full PoE load)
PoE / PoE+	PoE-at (Power over Coax)
PoE-vermogensbudget	30.8 W (via PoE-at switch) 36 W (via PSU)
Redundante voeding	Nee

Fysiek

Fysieke afmetingen	94 x 70 x 26 mm
Netto gewicht	375 g
Kleur	Zwart
Type montage	Muurmontage

Omgeving

Bedrijfstemperatuur	-10 to +60°C
Opslagtemperatuur	-40 to 75°C
Relatieve vochtigheid	0 to 95% noncondensing

Physical Ports

Port Configuration	Auto MDI/MDI-X
Port Speed	Auto-negotiate
LED Indicators and Switch	

Regulatory

Regulatory Standards	FCC Part 15 Class A, CE
IEEE Standards	IEEE 802.3 Ethernet
	IEEE 802.3u Fast Ethernet
	IEEE 802.3af Power over Ethernet
	IEEE 802.3at Power over Ethernet Plus

Power over Ethernet

PoE Standard	IEEE 802.3af / 802.3at PoE
PoE Power Supply Type	End-span
PoE Power Budget	Up to 25 W via Coax
PoE Power Output Via Coax Port	Max. 30.8 W (via PoE Switch) 36 W (via PSU)
Power Pin Assignment (RJ45)	1/2(+), 3/6(-)
Power Pin Assignment (COAX)	BNC center pole : DC+ / Hi, BNC shield : DC - / Lo

IP Over Coax Interface

Cabling	Coaxial cable: 75 ohm, RG-6/U cable (Improved performance)
	RG-6/U cable, less than 12 Ohm/1,000 ft.
	RG59/U cable, less than 30 Ohm/1,000 ft.
Ethernet Communication Standard	IEEE1901
Modulation Type	Wavelet-OFDM
Security	128-bit AES encryption
Frequency Band	2 to 28 MHz

Data Rate (Upload/Download)*

20 m	93 / 93 Mbps
400 m	93 / 92 Mbps
600 m	92 / 88 Mbps
800 m	83 / 75 Mbps
1000 m	74 / 55 Mbps

Typical Power Over Coax*

200 m	29 W (5 VDC in) 16.9 W (PoE+ in)
400 m	22 W (56 VDC in) 14.3 W (PoE+ in)
600 m	13 W (56 VDC in) 10.2 W (PoE+ in)
800 m	10 W (56 VDC in) 8.3 W (PoE+ in)
1000 m	8 W (56 VDC in) 7.1 W (PoE+ in)

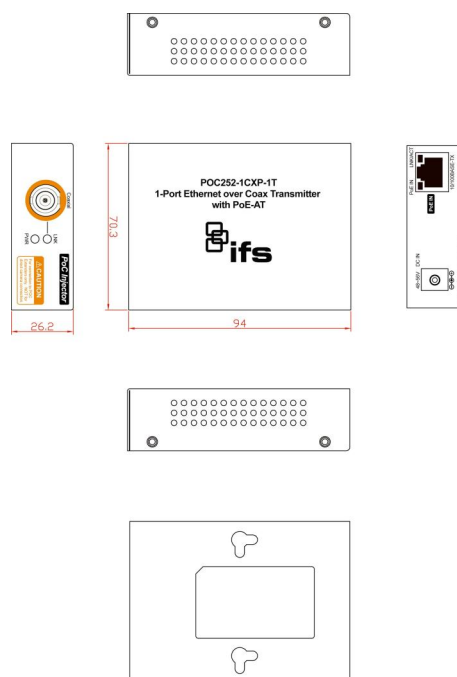
* Based on RG-59 Bare Copper cable: Data rate and power performance is subject to the quality of cable used and environmental factors.

Maximum Distance

PoE+ output	200 m
PoE output	600 m
Without PoE (Data only)	1,200 m

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