

POC252-1CXP-1T

Extensor Over Coax 1 Porto IP PoE-AT (switch)

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.



Detalhes

- 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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Especificações técnicas

Geral	
Tecnologia	IEEE1901
Compatível com rack MCR	Não

Conexões	
Portas coaxiais	1
Conetor	BNC
Portos RJ45	1
Tipo de porto	10/100
Saída Falha por relé	Não

Elétrica	
Tipo de fonte de alimentação	52 a 56 VDC
Consumo de energia	Max. 34 W (Full PoE load)
PoE / PoE+	PoE-at (Power over Coax)
Potência Total PoE Disponível	30.8 W (via PoE-at switch) 36 W (via PSU)
Fonte redundante	Não

Físico	
Dimensões físicas	94 x 70 x 26 mm
Peso líquido	375 g
Cor	Preto
Tipo de montagem	Montagem em parede

Ambiental	
Temperatura de operação	-10 to +60°C
Temperatura de armazenamento	-40 to 75°C
Humidade relativa	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

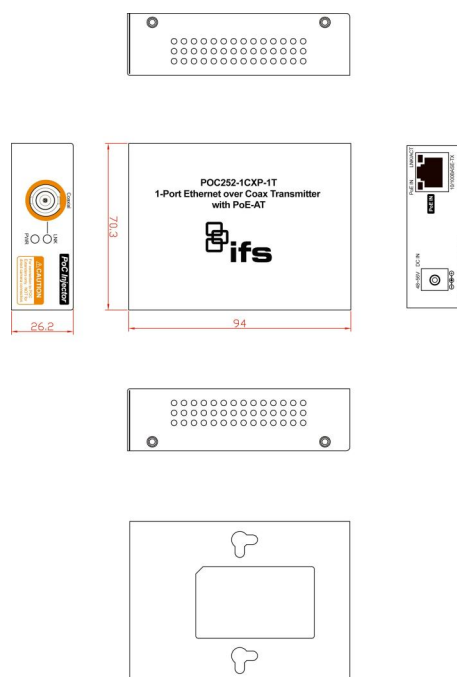
Typical Power Over Coax*	
200 m	29 W (5 VDC in) 16.9 W (PoE+ in)
400 m	22 W (56 VDC in) 14.3 W (PoE+ in)
600 m	13 W (56 VDC in) 10.2 W (PoE+ in)
800 m	10 W (56 VDC in) 8.3 W (PoE+ in)
1000 m	8 W (56 VDC in) 7.1 W (PoE+ in)

* 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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Last updated on 2 April 2024 - 16:26