POC2052-4P-1CX

4-Port Ethernet to Coax Industrial Media Converter

OVERVIEW

The IFS® Power over Coax Network Switches and Media Converters from Interlogix are designed to transmit both Ethernet data and power transmission over coax cable up to 3,281 ft. (1Km).

This solution provides a cost-effective way to reduce installation costs and increase ROI by utilizing existing coax to migrate an analog video system to an IP surveillance system. In addition, this solution eliminates the need for providing local power at an IP PoE camera location.

The POC2052-4P-1CX Power over Coax camera end switch has 4-ports with IEEE 802.3-af/at compliant power for up to 4 IP cameras. It can be powered optionally via the POC switch or POC media convertors (providing up to 20 watts of shared POE power) or can be powered locally to provide more POE power (up to 120 watts).

Details

- Cost-effective analogue to IP over coax solution
- 10/100Mbps Ethernet
- Auto-negotiation and auto-MDI/MDI-X
- Half-duplex back pressure and IEEE802.3x full-duplex pause-frame flow control
- Plug-and-play installation
- 75 ohm coax cable
- Extensive LED indicators for network diagnostics and PoE power usage
- Slim IP30 metal enclosure
- Powered by local power supply (for up to 120W of PoE power) or powered via the coax (for up to 24W of PoE power)
- Alarm relay output for port breakdown and power-failure alert
- Wide operating temperature range of -20° C ~ +70° C
- Power over Ethernet
- Protects non-PoE devices if accidentally connected
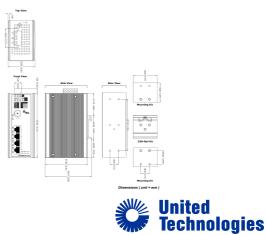- Complies with IEEE 802.3at

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Technical Specifications

General

Technology	IEEE1901
Managed	No

Connections

Coax ports	1
Connector	BNC

Physical

Physical dimensions	135 x 88 x 56 mm
Net weight	644 g
Mounting type	DIN-rail

Environmental

Operating temperature	-20 to +70°C
Storage temperature	-40 to +75°C
Relative humidity	5 ~ 95% (non-condensing)
IP rating	IP 30

Electrical

Operating voltage	52 to 56VDC
Power consumption	130 W (max.)
PoE/PoE+	4 PoE (at)
PoE power budget	120 W (when powered locally)
Redundant power	Yes

Standards & regulations

Compliancy	CE, FCC Part 15 Class A

Data Rate (Down stream/Up stream) Symmetric based on RG59 Bare Copper

200m:	91/88 Mbps
400m:	89/87 Mbps
600m:	73/74 Mbps
800m:	68/69 Mbps
1000m:	57/60 Mbps

LED Indicators

Power:	P1: On - Green; P2: On - Green
10/100 Base-TX Port:	LNK/ACT; 100Mbps - Green; PoE - Amber
Long Reach Port:	Power: On (Green), LNK (Green)
LED Power Meter	10W/20W/30W/40W (Green)

Regulatory

EMI:	EN55022 Class A; EN61000-3-2, EN61000-3-3
EMS:	"EN55024; IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11 "

Dimensions (unit = mm)

United Technologies

Climate | Controls | Security