

Item: Gigabit Ethernet passive PoE injector and splitter

Compatibility: CFIP Lumina

Injector P/N: I0ATPI14

Splitter P/N: I0ATPS03

Splitter P/N: I0ATPS04

**Features**

- Up to 58 volt DC power
- 1000 Base-T Ethernet
- Cat5e and Cat6 compatibility
- Lightning and surge protection on all lines
- Tested compliance to IEC 61000-4-5
- Weatherproof (splitter)

Description

The I0ATPI14 is an indoor Power over Ethernet injector and I0ATPS03/04 is an outdoor weatherproof Power over Ethernet splitter. Both units are designed to be used together providing Gigabit Ethernet and power via single Ethernet cable (Cat5e or better) to CFIP Lumina FODU. Instead of running two separate cables for power and Ethernet, this solution allows to run just one cable from inside equipment to the radio outside. I0ATPS04 version differs from I0ATPS03 with already installed 1 m long cables.

The non-IEEE PoE injector and splitter both have a built-in lightning and surge protection preventing transient over-voltages from damaging CFIP Lumina radio and user's indoor equipment. The injector is protected against reversed polarity.

The injector has a built-in DC/DC converter which can be manually with a jumper switched between two modes. In the first mode output voltage is the same as input. In the second mode input voltage can vary from 36 to 50 V, but on the output it will be stabilized to 55 V. The second mode is designed to diminish the negative influence of long cable or insufficient input voltage from power supply.

Electrical Specifications

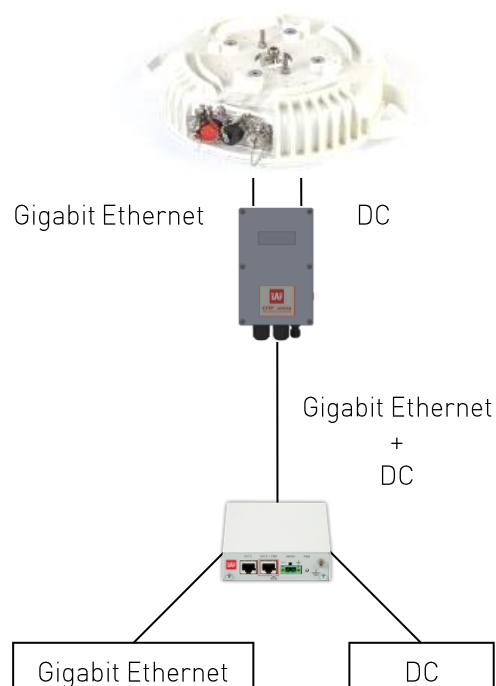
Data rate	Up to 1000 Mb/s
DC Mode 1 (default)	Green indicator LED on injector
Nominal Voltage	48 V
Maximum Voltage	58 V
DC Mode 2 with DC/DC converter	Red indicator LED on injector
Input Voltage	36 – 50 V
Output Voltage	55 V
Max Current	1.5 A
Power Connector	2ESDV-02P with screw locks
Ethernet Connectors	Shielded RJ45 jacks
Data Lines	Pins (1, 2), (3, 6), (4, 5) and (7, 8)
Power Lines	+ (1, 2) and (3, 6); - (4, 5) and (7, 8)
Power Clamping Voltage	+/- 70 V
Max data cable length	100 m

Mechanical Specifications

	Injector IOATPI14	Splitter IOATPS03
Ports	<ul style="list-style-type: none"> • RJ45 - Data • RJ45 - Data + Power • DC - 2ESDV-02P socket with screw locks* • Grounding screw 	<ul style="list-style-type: none"> • RJ45 - Data • RJ45 - Data + Power • DC socket with screw locks
Dimensions:		
Width	82 mm	120 mm
Height	41 mm	79 mm
Depth	154 mm	223 mm
Weight	0.4 kg	1.2 kg
Enclosure	Steel	Aluminium
Operating Temperature	-10°C to + 50°C	-40°C to + 70°C
Mounting	<ul style="list-style-type: none"> • With bracket (included) • 19" rack mounting shelf (p/n IOKTPI11.003) • DIN-rail clip (p/n IOSTPI11.01) 	<ul style="list-style-type: none"> • Wall mounting brackets (included) • Mast mounting brackets (included)

* - 2ESDV-02P plug with screw locks included.

Installation Diagram



Accessories and PoE splitter variations

PoE splitter variations

PoE splitter with mast mounting brackets.

p/n

I0ATPS03

PoE splitter with mast mounting brackets, Ethernet, power and grounding cables.

I0ATPS04

Accessories

FTP Cat5e outdoor cable for PoE splitter, 1 m

p/n

I0CTPE01

Power cable with Lumina's hermetical power plug, 1 m

I0CTPP01

Grounding cable, 1 m

I0ACGD01

Mast mounting brackets. Fitting range 35 – 130 mm.

I0STPS03.002