

TECHNICAL DATASHEET



iPOE101 FIBRE OPTIC POE INJECTOR

iPOE102 ETHERNET POE INJECTOR



POE injector to provide AC/DC power to POE wireless devices.

ATEX and IECEx certified for Gas Zone 1 and Dust Zone 21

Providing up to 35W of output power

Convert copper ethernet to fibre

Easily connect and power remote equipment

Highly rugged and durable, IP66 rated

Simple to install with no set up or configuration needed


AC or DC powered, with wide operating range

Gas Zone 1/2
Dust Zone 21/ 22
ATEX/IECEx certified

Increase wireless deployment flexibility

SPECIFICATION



Certification	 ATEX/IECEX: II 2 GD Ex db IIC T5 Gb Ex tb IIIC T100°C Db
Power Supply	AC or DC Power 85-264AC 120-370VDC
Power Consumption	0.8A @ 230VAC
Output	802.3at compliant PoE+/PoE Plus (up to 35W)
Enclosure Material	Marine grade copper-free aluminium light alloy Epoxy powder coated RAL9006 Grey
Ingress Protection	IP66
Weight	11kg
Dimensions	360 x 270 x 175mm (HxWxD) / 14 x 10 x 7 inches
Operating Temperature	-40°C to +50°C / -104 to 122°F
Storage Temperature	-40°C to +50°C / -104 to 122°F
Humidity	0-95% Non Condensing
Input Power Connection	1x Power cable entry with screw terminals
Input Data Connection	Media Converter: 1x 100/1000 Base-X SFP Fibre Port POE Injector: 1x Data 10/1000Base-T Ethernet on RJ45 socket
Output Connection	1x PoE power / data 10/100/1000Base-T Ethernet on RJ45 socket
Cable Entry	3 x M20 (1 x Power In, 1 x Data In, 1 x PoE+/Data out)
Warranty	1 year factory warranty

ORDERING INFORMATION



iPOE101	Zones 1/21 Ex PoE Injector and Media Converter. Up to 35W output power, PoE+ compliant via T Ethernet on RJ45 socket and input data connection for Fibre Via SFP (SFP Not Supplied)
iPOE102	Zone 1/21 Ex Ethernet PoE Injector. Up to 35W output power and PoE+ compliant via T Ethernet on RJ45 socket.
Accessories	The iPOE101 requires an SFP transceiver which is not included, the following are available from Extronics.
X124756	Planet MGB-TLX Single Mode SFP Transceiver, 1000BASE-LX Up To 20Km. 1310nM
X127942	Planet MGB-TSX2 Multi Mode SFP Transceiver, 1000BASE-SX, Up To 2Km. 1310nM
X128011	Planet MGB-TSX Multi Mode SFP Transceiver, 1000BASE-SX, Up To 550m. 850nM
	All SFPs above are MSA compliant and are able to operate within the full operating temperature range of the iPOE101.
	Alternative 1000BASE-SX/LX SFPs may be supported and purchased separately.