

QuPoE AF-12V-FP - 802.3af Splitter & Lightning arrester

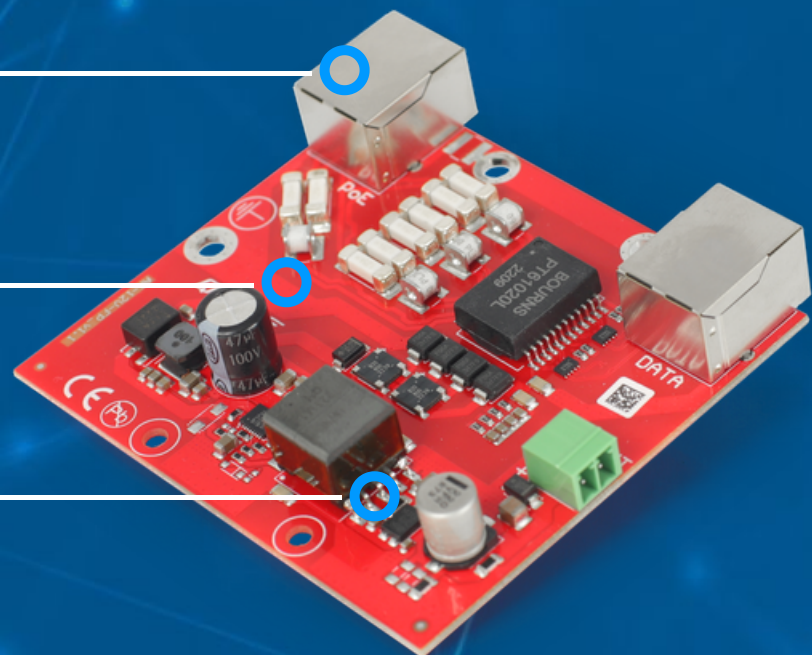
QuPoE AF-12V-FP - active splitter that provides full PoE and data output protection. It is compliant with the IEEE802.3af standard. The device is ideal for outdoor applications and powering gateway devices, routers, etc.

QuPoE AF-12V-FP splitter provides full PoE and data output protection. It is compliant with the **IEEE802.3af standard** and has a work temperature range of -40...+80C. The device has **lightning, surge, ESD, EFT and power fault protection** and is ideal for outdoor applications and powering gateway devices, routers, etc.

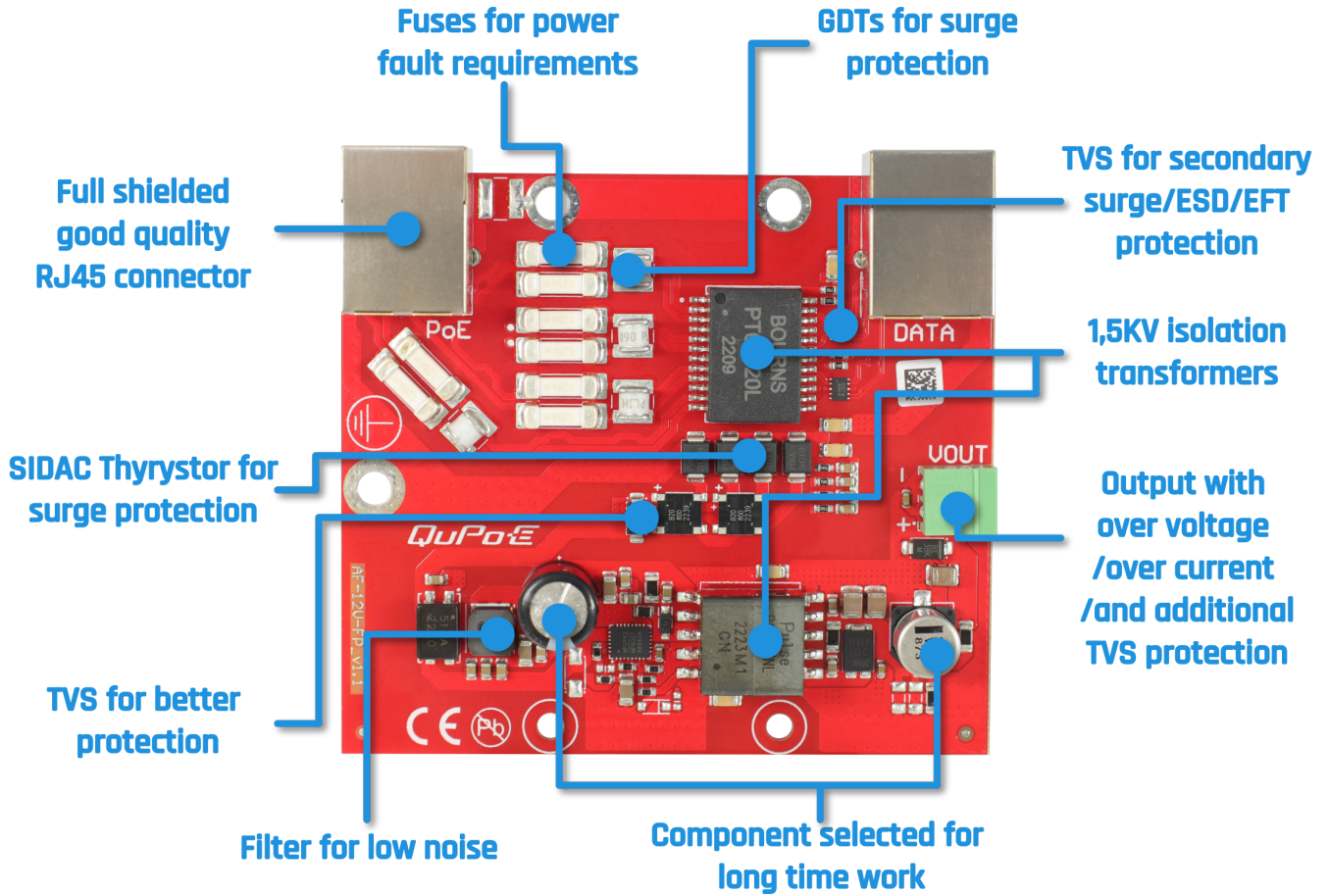
The GDT elements, SIDAC Thyristor, High power TVS Diode and TVS Diode Array provide protection against lightning and high surge. The device has overcurrent protection that complies with the GR-1089, ITU K20/21, EN60950-1 power fault requirements.

The device has 1 DC output 12VDC 1,1A (13W) overcurrent/short protection with auto restart.

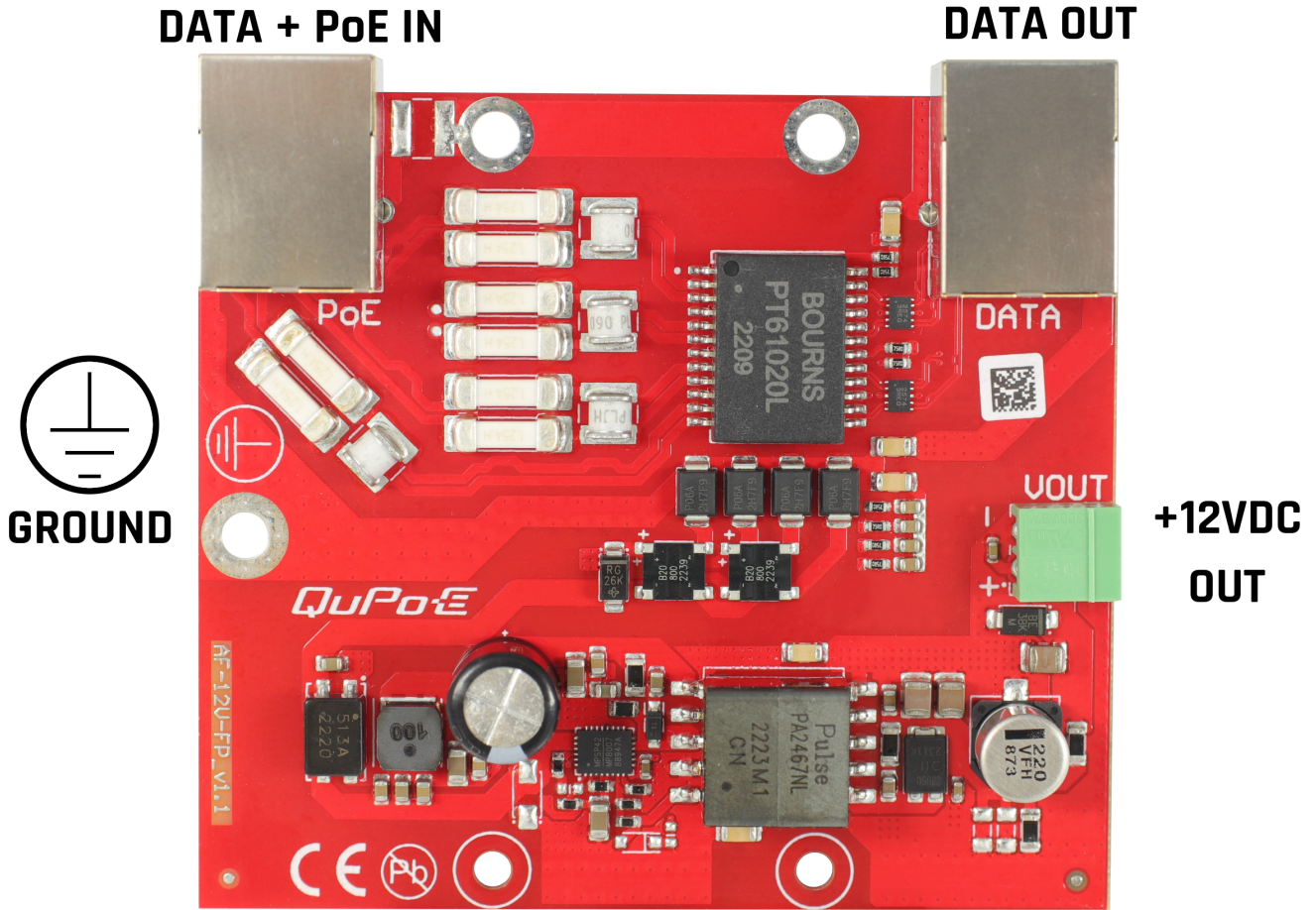
Based on high quality parts for working long life time.



SAFETY FEATURES



PORTS



POE SPECIFICATION

IEEE STANDARD

IEEE 802.3ab 1000Base-T Gigabit Ethernet
IEEE 802.3af PoE (Power over Ethernet)

POE IN

Powered from PoE in, IEEE802.3af/at
38-58V, 15W max for PD_802.3AF
38-58V, 30W max for PD_802.3AT
Supports both PoE A mode or B mode

DC OUTPUT

PD_802.3AF 12V 13W

DATA OUT

RJ45 10/100/1000Base-T(X)

MECHANICAL SPECIFICATION

OPERATING TEMPERATURE

-40 ~ 80°C
-40 ~ 176°F

DIMENSIONS

85 x 79 x 17 mm
3.35 x 3.11 x 0.67 inch

PROTECTION

EN61000-4-2 (ESD)

Level 4 (8kV contact, 15kV Air), Criteria B

EN61000-4-3 (RS)

Level 3 (10V/m), Criteria A

EN61000-4-4 (EFT)

Level 4 (4kV), Criteria A

EN 61000-4-6 (CS)

Level 3, Criteria A or extended level

EN 61000-4-5 (SURGE)

Level 5 (min 2kV), Criteria B (Telecommunication cables)
2 kA 8/20 μ s
1 kA 10/350 μ s

GR-1089

YES

ITU-T K.20

YES

ITU-T K.21

YES

IEC60950-1

YES

EN62368-1

YES

LIGHTING/SURGE/ESD PROTECTION REQUIREMENTS

GDT elements, SIDAC Thyristor, High power TVS Diode and TVS Diode Array provide protection against lightning and High surge making the device ideal for outdoor applications and powering e.g. gateway devices, routers, etc...

ISOLATION REQUIREMENTS

The GDTs (Gas Discharge Tubes) are connected between the data pair (and not GD) to be compliant with the IEEE802.3 standard. A properly rated transformer provides the required isolation for IEEE 802.3 compliance.

POWER FAULT REQUIREMENTS

Series telecom fuses provide overcurrent protection that complies with the GR-1089, ITU K20/21, EN60950-1 power fault requirements.

HOW TO CONNECT ACTIVE SPLITTER

