Compact Ethernet Power Injector
supports PoE+ power up to 30W

General Description

The µEPI is an ultra small form factor Ethernet Power Injector. Its main purpose is to upgrade products without PoE port to a PSE solution (Power Sourcing Equipment). The µEPI comes with either lockable headers and RJ45 or with lockable headers only .

PoE is a network function,which is defined in IEEE Standards 802.3af and 802.3at. The µEPI supports up to 30W power (PoE+). The PoE is to the supply PoE devices like wireless access points, IP cameras, and VoIP phones, to name just a few. Power for the µEPI needs to be added depending on the power requirement of the connected device.

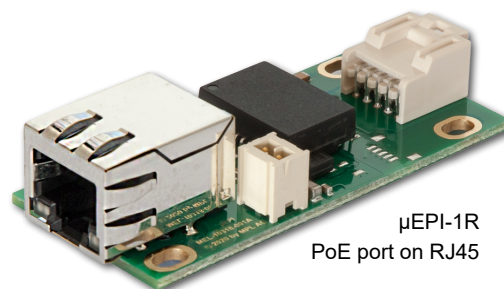The module supports up to of 57V and the PoE+ power classes (class 0 up to class 4)

The temperature range of the µEPI is -40°C up to +85°C. The size is only 62 x 28 x 20mm.

µEPI-1R
PoE port on RJ45

µEPI Highlights

- Extremely compact
- Supply power is on 2mm lockable header
- Ethernet on 2mm lockable header
- PoE connector is available as RJ45 or 2mm lockable header
- Extended temperature -40°C up to +85°C
- Supports power class 0 to 4, up to 30W

All MPL products are 100% designed and manufactured in Switzerland.

Technical Features

Board Key Data

Features Summary

PoE+	According IEEE 802.3at-2009

Power Input/Output

PoE+ Voltage	From device or externally supplied
	+44 .. +57 V (Power Classes 0 .. 3)
	+50 .. +57 V (Power Class 4)
PoE+ Power	15.4 W (Class 0)
	4 W (Class 1)
	7 W (Class 2)
	15.4 W (Class 3)
	30.0 W (Class 4)

Mechanical

PCB Form Factor	Length: 62 .. 65.2 mm
	(depends on interface connector used)
	Width: 28 mm
	Height: < 20mm
Weight	16g

Environmental

Storage Temp.	-45°C to +85°C (-49°F to +185°F)
Operating Temp.	-40°C to +85°C (-40°F to +185°F)
Relative Humidity	5% to 95%, non-condensing

µEPI Version

Version	Description
µEPI-1R	PoE port on RJ45
µEPI-1H	PoE port on lockable header

Backplane
Systems
Technology

**Backplane Systems
Technology Pty Ltd**

TEL 02 9457 6400
sales@backplane.com.au
www.backplane.com.au

MPL AG is an ISO9001 certified company

Web: www.mpl.ch
Email: info@mpl.ch

MPL AG, Täfernstrasse 20, CH-5405 Dättwil
Phone +41 56 483 34 34   Switzerland

MPL
High-Tech • Made in Switzerland