

ADP-PSE

PoE+ Module

User's Manual

Edition 1.1

2018/03/31



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Packing List:

Please check the package content before you starting using the adapter.



1 x ADP-PSE Module
(BADPPSE_A/4120033011)

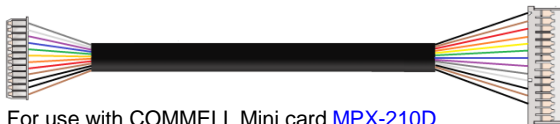


1 x DC Output Power Cable
(OALDC-DC3/1040614)



For use with COMMELL Mini card [MPX-350](#)

1 x CN_LAN Cable
(OALPOE-02/1040628) **Optional**



For use with COMMELL Mini card [MPX-210D](#)

1 x CN_LAN Cable
(OALPOE-03/1040629) **Optional**

1. < Product Specification >

Product Description

Interface

RJ45 for connecting to PD

Internal 12-pin header for connecting with PD

Internal 2-pin terminal block for DC power

Accessories

DC Output Power Cable (OEM necessary if use with different device)

Cable (connect MPX-350 to Mini card)(OALPD02/1040628)Optional

Cable (connect MPX-210D to Mini card)(OALPD03/1040629)Optional

Dimensions (L x W)

70.00mm x 49.52mm

Operating Conditions

Power Input

DC 9~30V

Temperature

Operating within -40°C ~+85°C

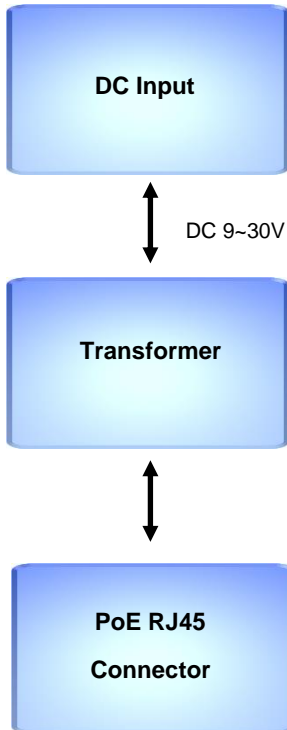
Storage within -40°C ~+85°C

General Specifications

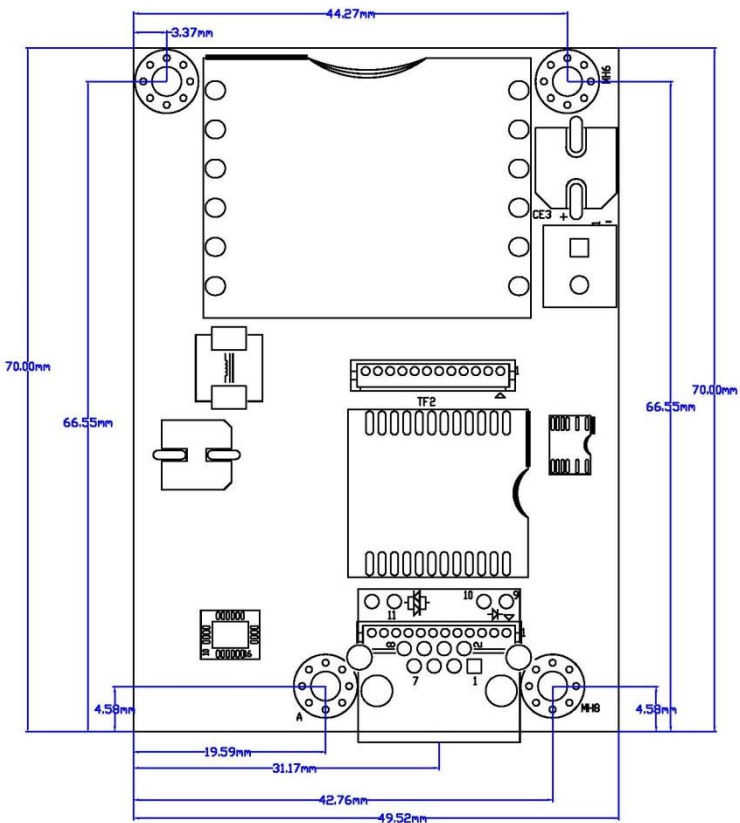
Compliance

IEEE802.3at/af

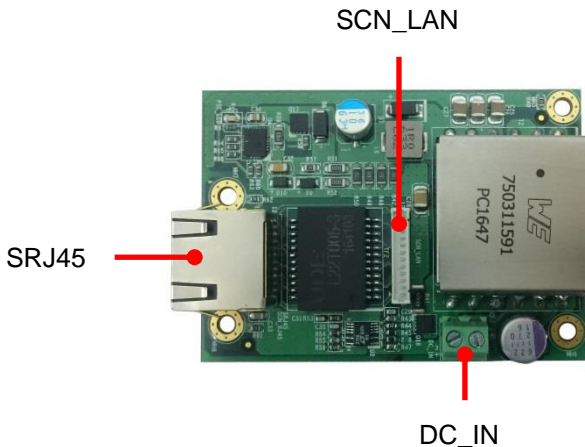
2. < Block Diagram >



3. < Mechanical Drawing >



4. < Connector Location and Reference >



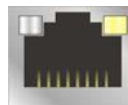
Connector	Function
SCN_LAN	12-pin Ethernet Connector
SRJ45	RJ-45 LAN Port
DC_IN	2-pin power input with Terminal Block

LAN Connector: SRJ45

Connector Type:

16-pin (8 x 2) 2.0 x 2.0 mm header

RJ45 10/100/1000Mbps connector



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Pin	Description	Pin	Description
1	MI0+	2	MI0-
3	MI1+	4	MI2+
5	MI2-	6	MI1-
7	MI3+	8	MI3-
9	LINKLED	10	ACTLED
11	LINK100	12	LINK1000
13	GND	14	GND

Connector : SCN_LAN

Connector Type:

12-pin (12 x 1) , pitch : 1.25 mm ,DIP type



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Straight P.C.B Connector

Pin	Description	Pin	Description
1	SACTLED	2	SLINK0
3	SMDI0+	4	SMDI0-
5	SMDI1+	6	SMDI1-
7	SMDI2+	8	SMDI2-
9	SMDI3+	10	SMDI3-
11	SLINK1H	12	SLINK1G

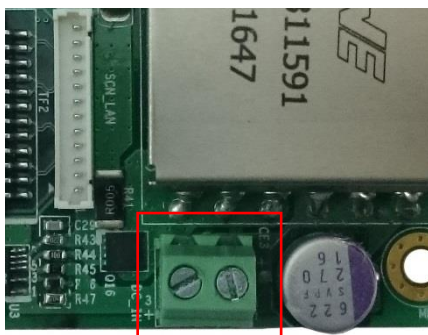
Connector : DC_IN

Connector Type:

2-pin (2 x 1), pitch: 3.81 mm

Straight P.C.B Connector

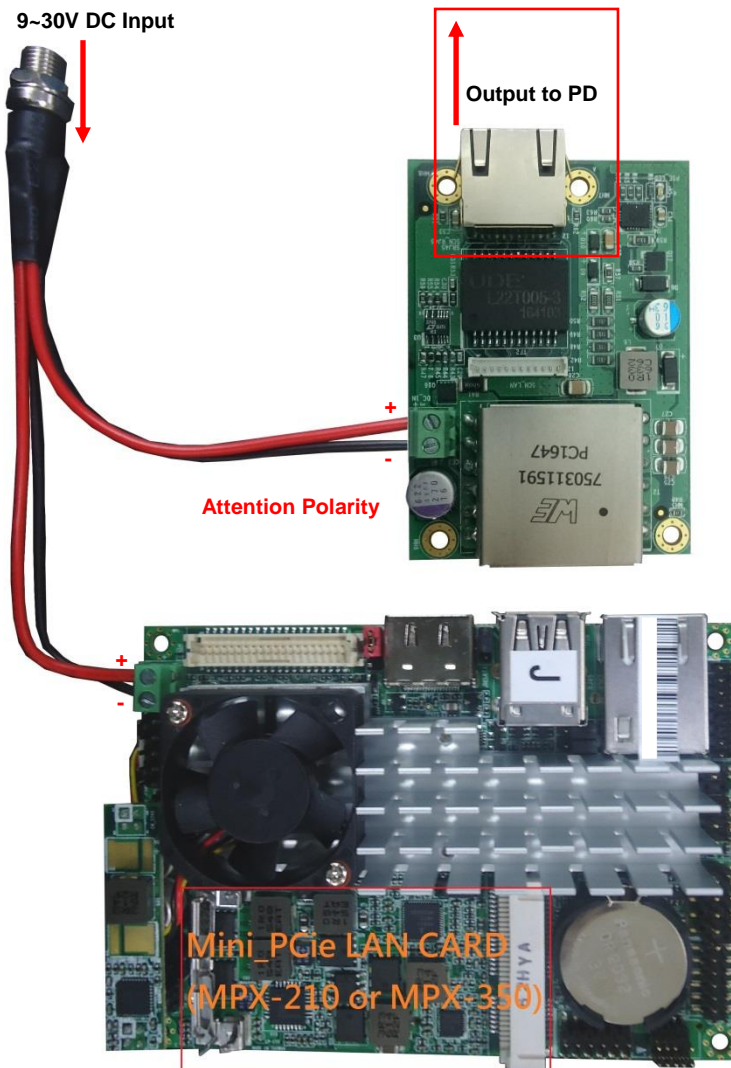
Pin	Description	Pin	Description
1	GND	2	Power input (9~30V)



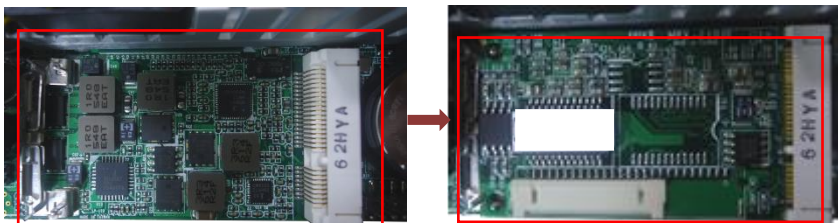
5. < ADP-PSE Installation Guide >

Following implement to use ADP-PSE with “COMMELL's M/B + Mini_PcIe LAN card” for compliant POE Power Sourcing Equipment.

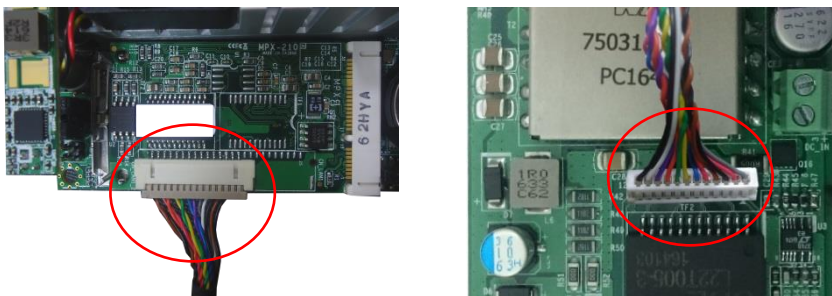
1. DC cable connection between ADP-PSE and Motherboard
(DC Input for 9~30V), SRJ45 for connection with PD).



2. Insert COMMELL Mini_PClE LAN Card (MPX-210) on Motherboard.



3. Plug PoE cable(OALPOE-03) to MPX-210 and ADP-PSE



4. Connect SRJ45 connector on ADP-PSE via LAN cable , then ready for PD connection



Contact information

Any advice or comment about our products and service, or anything we can help you please don't hesitate to contact with us. We will do our best to support you for your products, projects and business.

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