

ADP-PD

PoE+ Module

User's Manual

Edition 1.3

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Packing List:

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



1 x ADP-PD-5V or ADP-PD-12V



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



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

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



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

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

1. <Product Specification>

Product Description

Interface	RJ45 for connecting with PSE
	Internal 12-pin header for connecting with powered board
	Internal 2-pin terminal block for DC power of powered board
Accessories	DC Output Power Cable
	Cable (connect MPX-350 to Mini card)(OALPOE-02/1040628)Optional
	Cable (connect MPX-210 to Mini card)(OALPOE-03/1040629)Optional
Dimensions (L x W)	70.00mm x 40.00mm

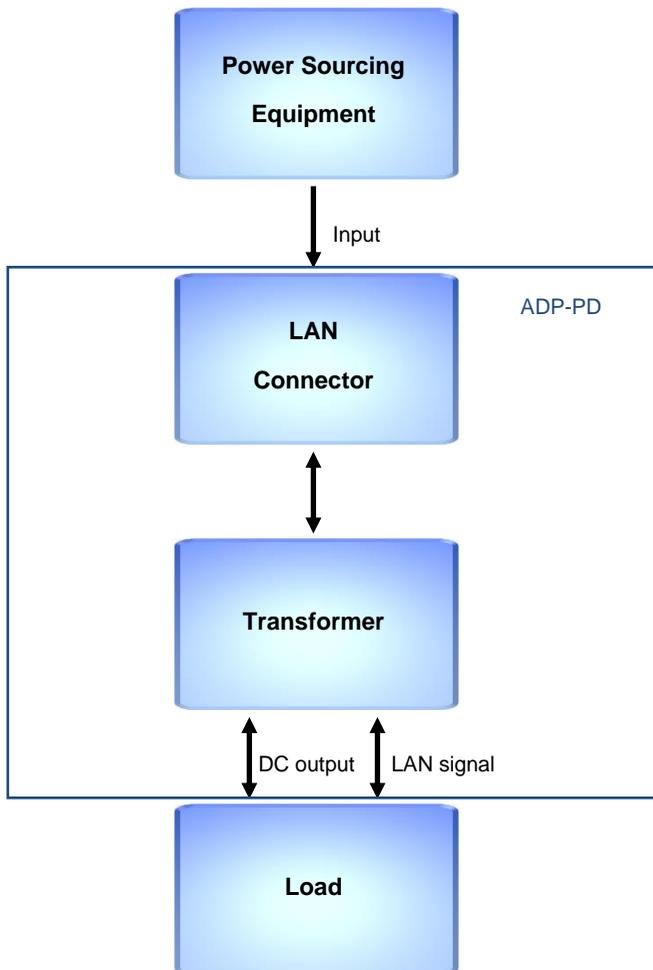
Operating Conditions

Power Requirement	Port Voltage 37V to 57V from PSE
Temperature	Operating within -40°C ~+85°C
	Storage within -40°C ~+85°C

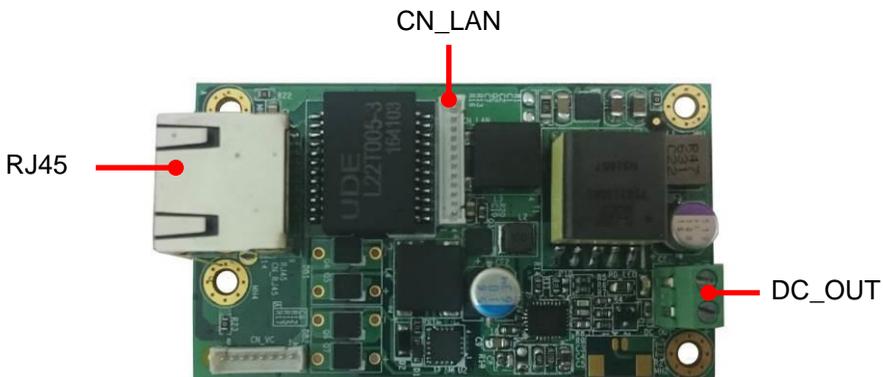
General Specifications

Compliance	IEEE802.3at/af
Ordering Code	
ADP-PD-5V	Compliant IEEE802.3at/af, with DC output 5V/4.7A
ADP-PD-12V	Compliant IEEE802.3at/af, with DC output 12V/1.9A

Note: Please contact your local vendors to inquiry the OEM M/B for the board solution assemble with ADP-PD .

2. < Block Diagram >

4. < Connector Location and Reference >



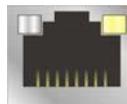
Connector	Function
CN_LAN	12-pin Ethernet Connector
RJ45	RJ-45 LAN Port
DC_OUT	2-pin power output with Terminal Block

LAN Connector: RJ45

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 : CN_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	ACTLED	2	LINK0
3	RTD0+	4	RTD0-
5	RTD1+	6	RTD1-
7	RTD2+	8	RTD2-
9	RTD3+	10	RTD3-
11	LINK1H	12	LINK1G

Connector : DC_OUT

Connector Type:

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

Straight P.C.B Connector

Pin	Description	Pin	Description
1	GND	2	Power output

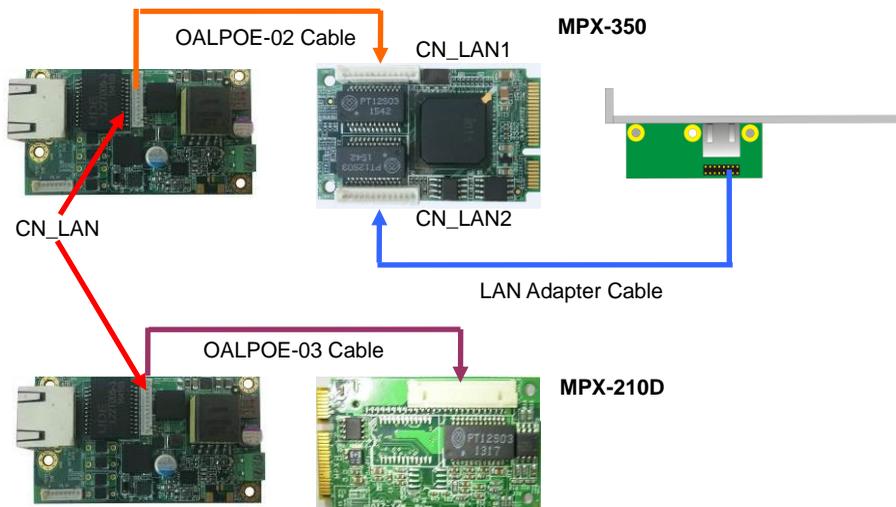
For ADP-PD-5V , PIN2 with **+5V/4.7A** Output

For ADP-PD-12V , PIN2 with **+12V/1.9A** Output



5. < ADP-PD Installation Guide >

1. Check your Power Sourcing Equipment (PSE) works correctly
2. Connect MPX-350 / MPX-210D to DC-PD with CN_LAN cable
(There are two LAN ports in MPX-350. Put the CN_LAN cable into CN_LAN1 or CN_LAN2, the other for LAN adapter.)



3. Put MPX-350 or MPX-210D into motherboard.
4. Connect your PSE device to ADP-PD with RJ45 cable, and then the DC_OUT is 12V if you use ADP-PD-12V.



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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