Internal Department or Context

UP-POE

User Manual

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Revision History

The following table contains the information regarding the history and revisions of this living document.

Version	Date	Contributor	Changes Description
01	10 Sep 2018	Irene Lin	Initial Creation

Document Attributes

The following table contains the list of files that are associated with this living document.

Filename	Description
N/A	

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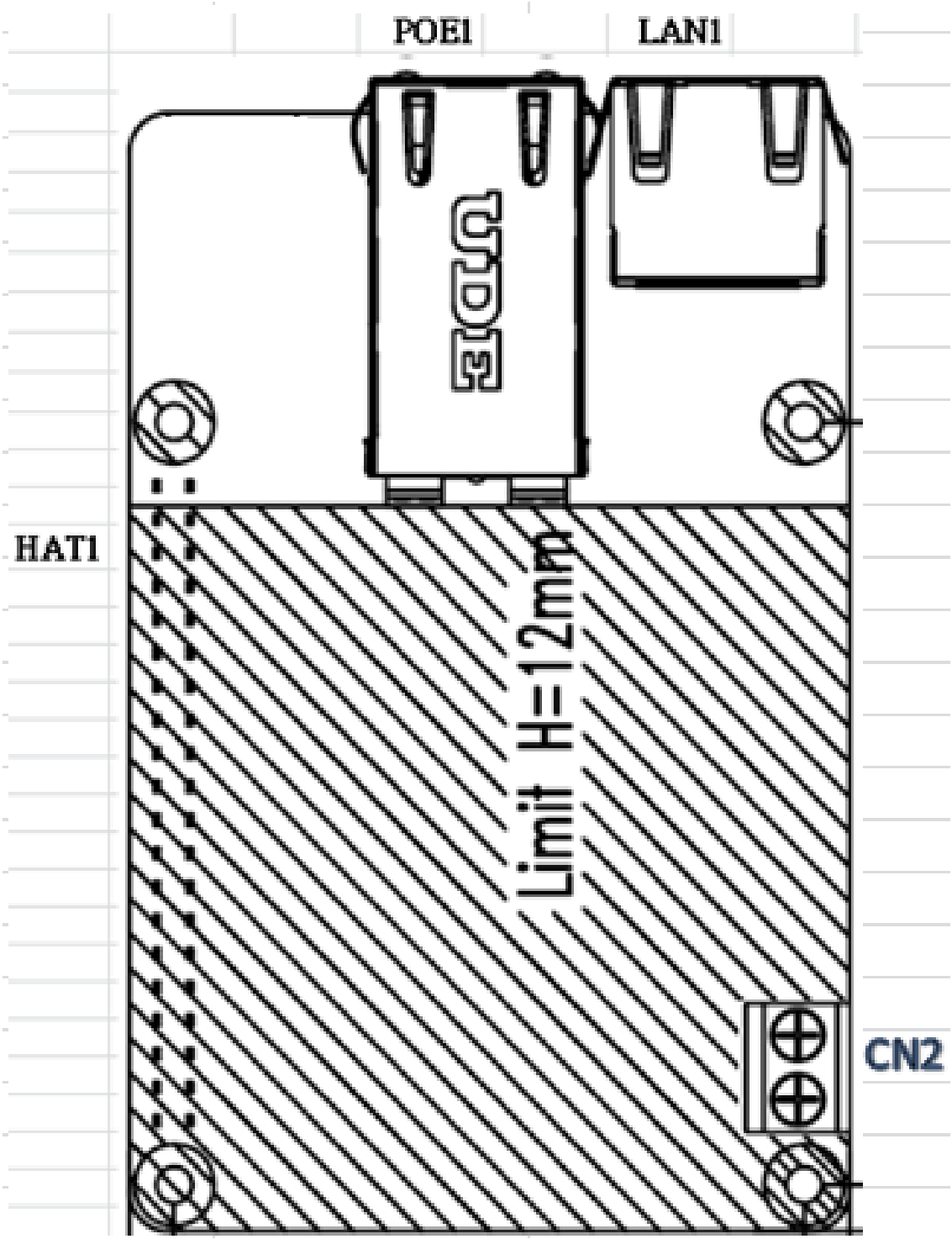
2 UP-POE01 Layout



3 Connector, Switch References

3.1 Connector Index

Reference Designation	Functional Description	Connector Type
HAT1	5V OUT Header	22N8562-40SA2B-01G
POE1	Ethernet IN PUT Connector	RT5-1640K22A
LAN1	Ethernet OUT PUT Connector	415CE41AS2A214A3
CN2	DC OUT Connector	DT-126VP-S2016002P

4 Connector Pin Assignments

4.1 HAT1: 5V OUT Header

Pin	Signal Description	Pin	Signal Description
1	NC	2	+5V
3	NC	4	+5V
5	NC	6	GND
7	NC	8	NC
9	GND	10	NC
11	NC	12	NC
13	NC	14	GND
15	NC	16	NC
17	NC	18	NC
19	NC	20	GND
21	NC	22	NC
23	NC	24	NC
25	GND	26	NC
27	NC	28	NC
29	NC	30	GND
31	NC	32	NC
33	NC	34	GND
35	NC	36	NC

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37	NC	38	NC
39	GND	40	NC

4.2 POE1: Ethernet IN PUT Connector

Pin	Signal Description
1	TRP1+
2	TRP1-
3	TRP2+
4	TRP2-
5	TRP3+
6	TRP3-
7	TRP4+
8	TRP4-

4.3 LAN1: Ethernet OUT PUT Connector

Pin	Signal Description
1	TRP1+
2	TRP1-
3	TRP2+
4	TRP3+
5	TRP3-
6	TRP2-
7	TRP4+
8	TRP4-

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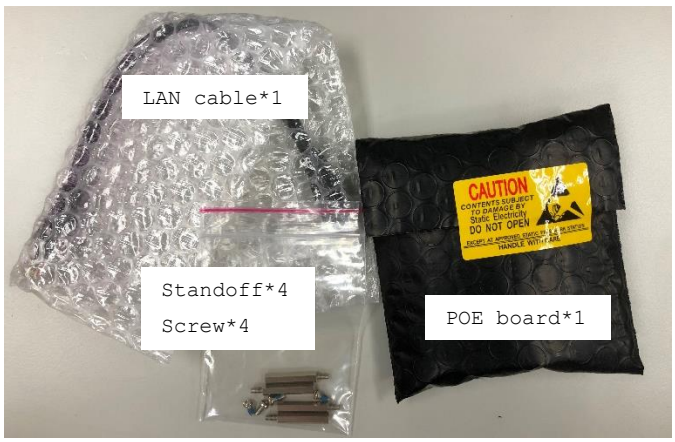
4.4 CN2: DC OUT Connector

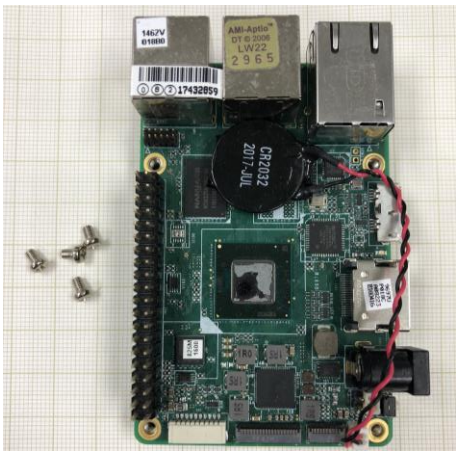
Pin	Signal Description
1	AUX+
2	GND_POWER

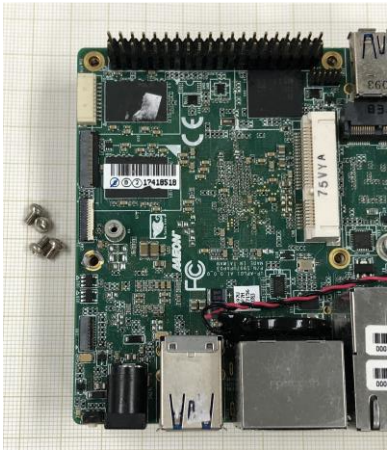
5 Quick install guide

1. Get ready with the POE board, main board and all accessories.

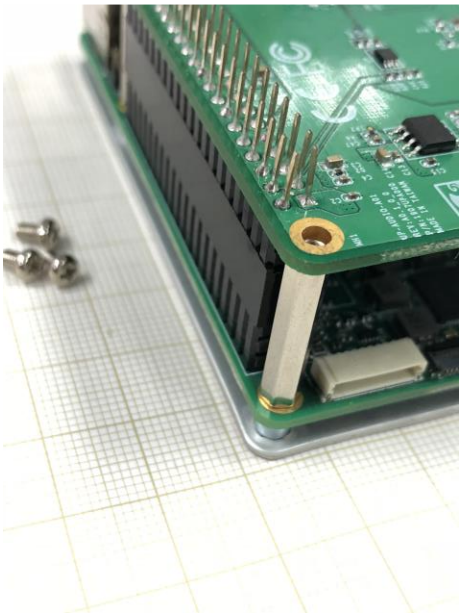


2. Take off the screws from your main board.

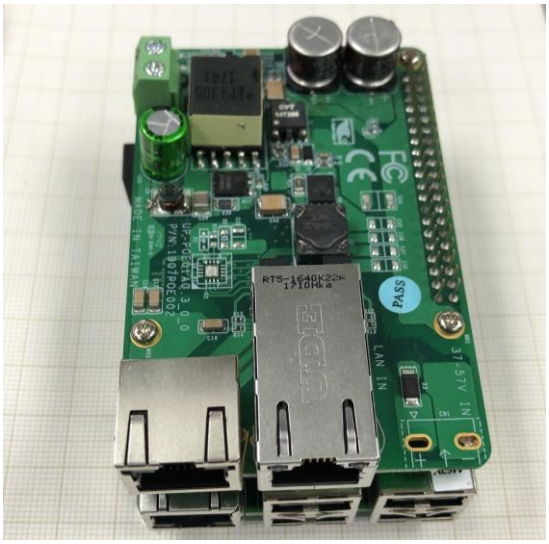




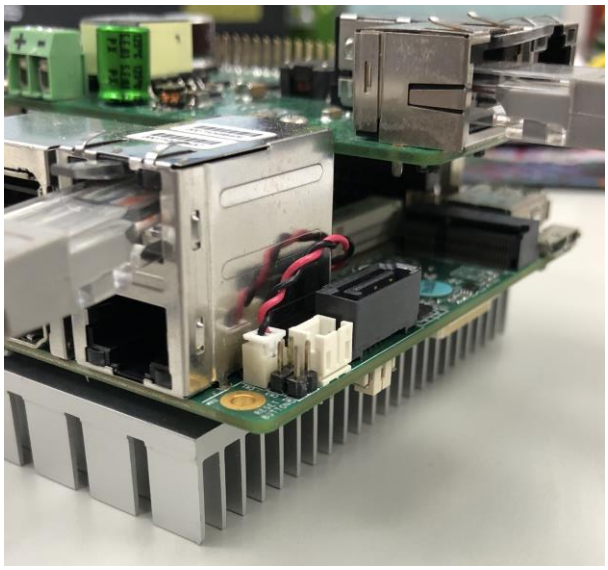
3. Fix the standoffs to your main board.



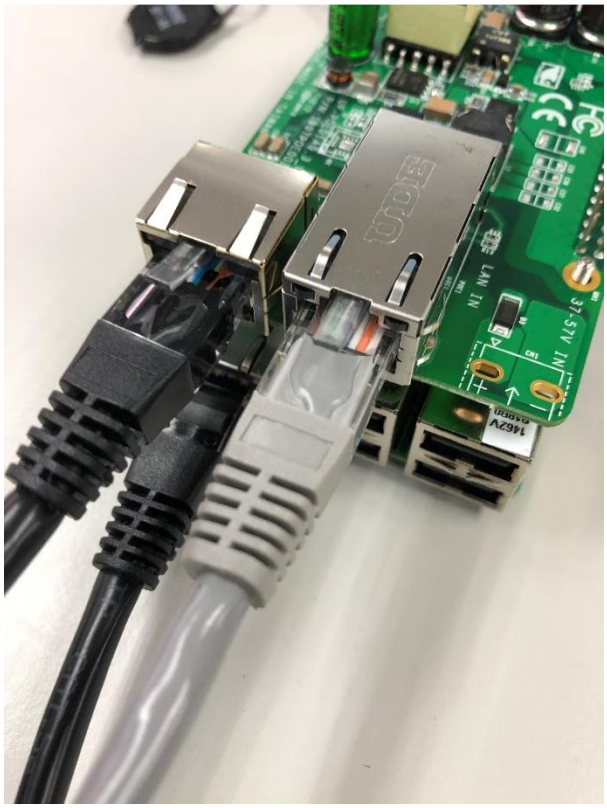
4. Connect UP/UP2 and POE board through 40PIN HAT.



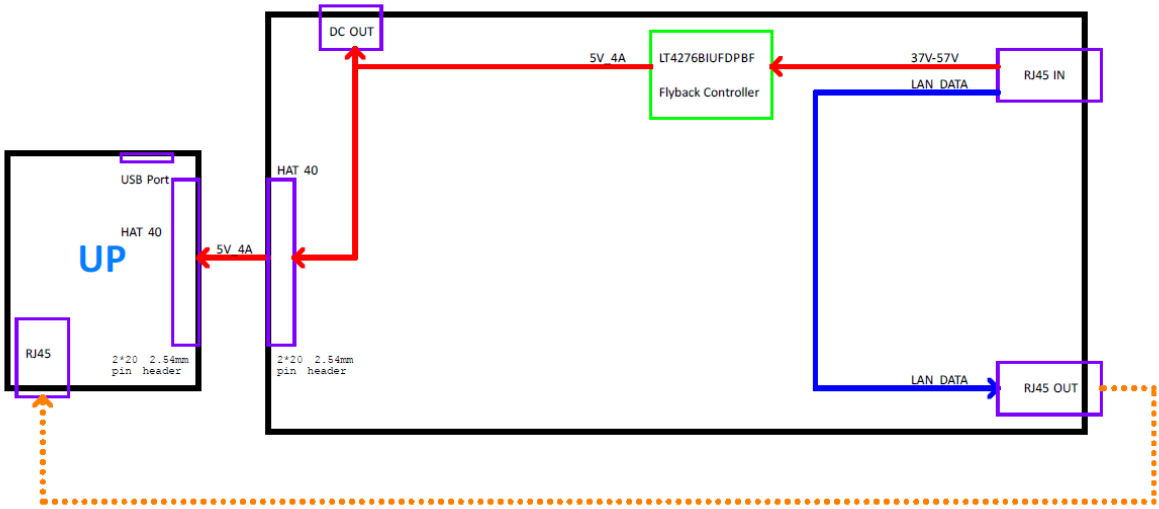
5. Connect LAN1 on PoE to LAN port on the MB with LAN cable in accessory kit.



6. Connect POE1 to your PSE device with another RJ45 cable.



7. PoE board will power your MB through 40PIN header and transmit LAN signal to your MB via LAN cable



*Connect your PoE to other devices: Power your device through 5V DC OUT instead of 40PIN header.