

Seavo Motherboard User's Manual

用户手册

SV-POE04 Series

Ver 1.0



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1.Models and Attentions

1.1 Models

This manual is applied to following models:

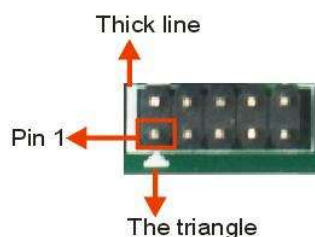
Model	Power Input	POE Power Output
SV-POE-04	Header * 2	Header * 4

1.2 Attentions

1) Notes under a table or figure indicate the difference of models, or alternative definition of specific pin of the header (jumper/connector).

2) How to identify the first pin of a header or jumper

- Usually, there is a thick line or a triangle near the header's or jumper's pin 1.



- Square pad, which you can find on the back of the motherboard, is usually used for pin 1.



2. Specification

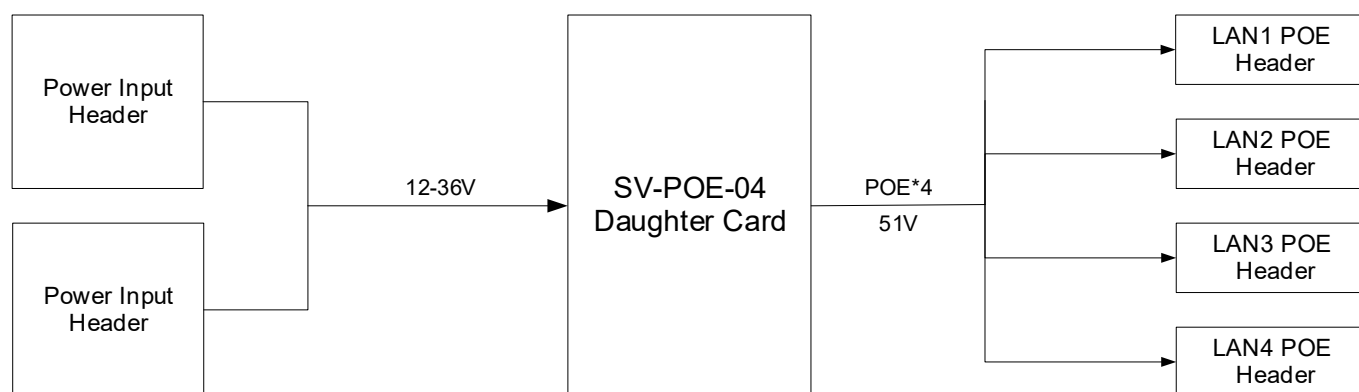
Model	SV-POE-04
Power Input ^[1]	2 * POE 12-36V Power Input Header ^[2]
POE Power Output	1 * LAN1 POE Power Output Header 1 * LAN2 POE Power Output Header 1 * LAN3 POE Power Output Header 1 * LAN4 POE Power Output Header
With Motherboard ^[1]	SVX-H1156: 12V Power Output
Temperature	Storage: -20~75°C Operating: 0~60°C
Factor	75.8mm * 42.7mm

Notes:

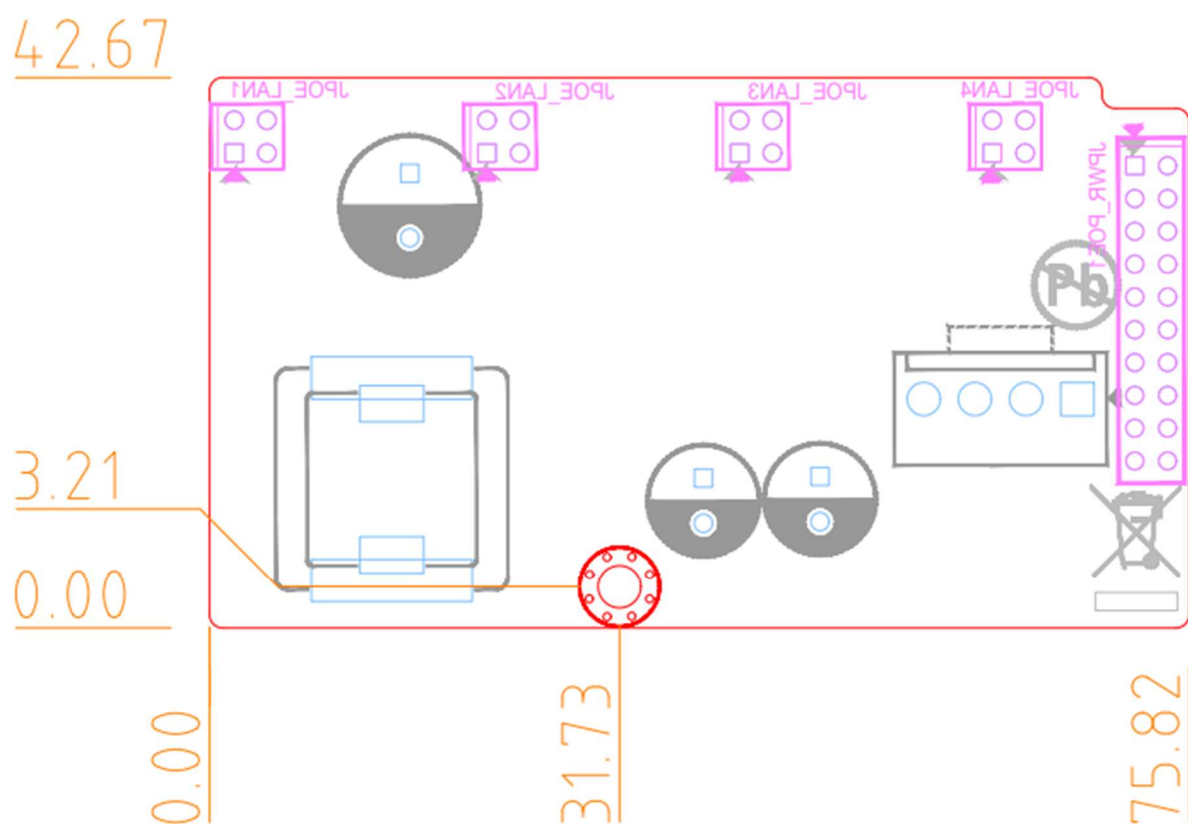
[1]: SV-POE-04 supports 12V~36V power input, but the final voltage is determined by the motherboard. For example, with SVX-H1156, the daughter card only supports 12V power input.

[2]: When the power input of the JPWR_POE1 is not enough, you can use the JPWR_POE2 to provide auxiliary power. **But pay attention, the auxiliary power supply must be consistent with the motherboard power supply voltage, otherwise it will burn the motherboard.** For example, when using with SVX-H1156, the auxiliary power supply must be 12V.

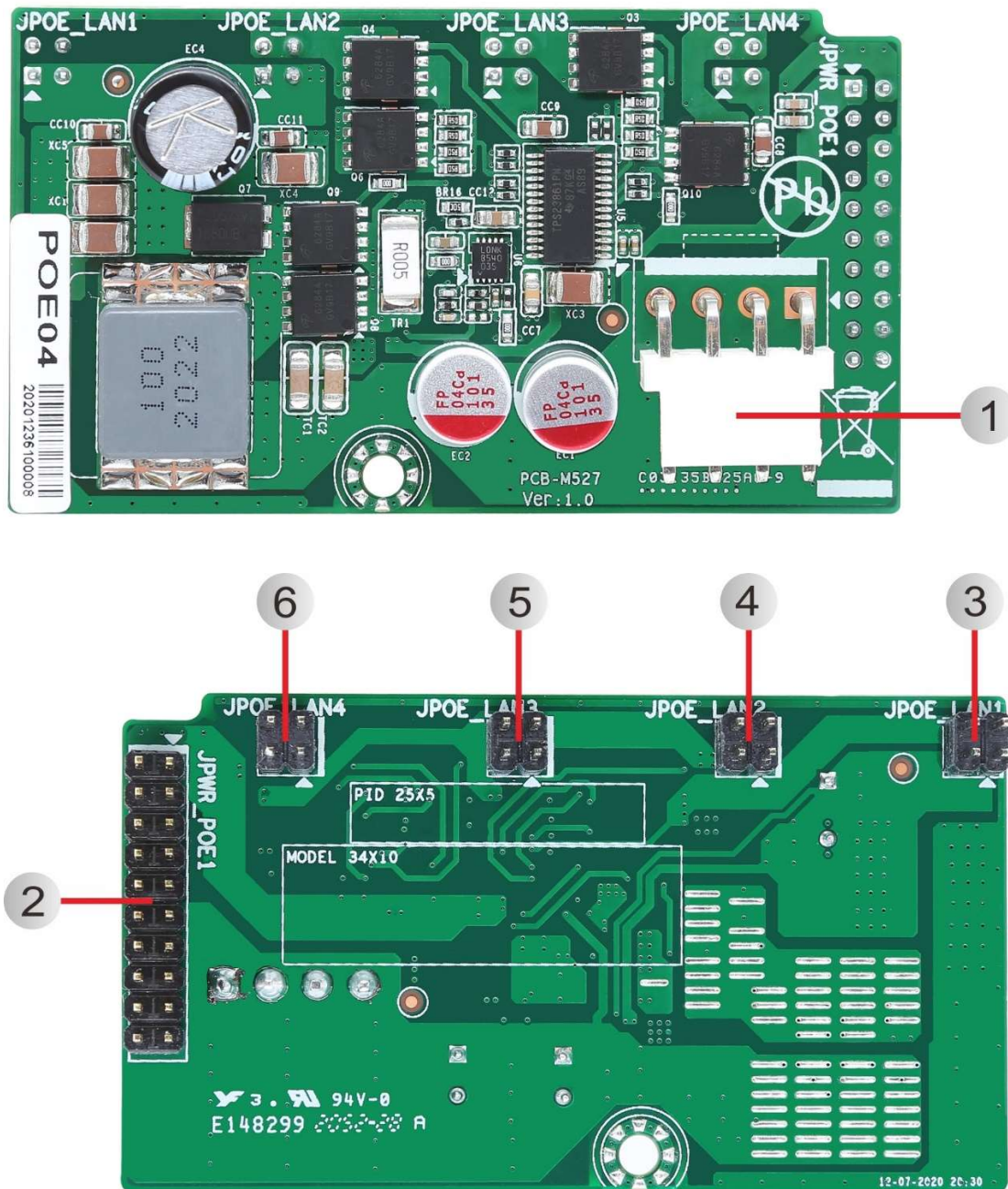
3.Functional Block Diagram



4. Mechanical Drawing



5. Jumpers / Headers and Connectors



Jumpers / Headers and Connectors

1	JPWR_POE2	POE 12-36V Power Input Header2
2	JPWR_POE1	POE 12-36V Power Input Header1
3	JPOE_LAN1	LAN1 POE Power Output Header
4	JPOE_LAN2	LAN2 POE Power Output Header
5	JPOE_LAN3	LAN3 POE Power Output Header
6	JPOE_LAN4	LAN4 POE Power Output Header

6. Definition of Jumpers /Headers and Connectors

1) JPWR_POE2 (POE 12-36V Power Input Header2 4*1 Pin 3.96mm)

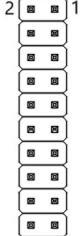
Graphic	Pin	Definition	Pin	Definition
	1	+ 12-36V_IN [1][2]	3	GND_HV
	2	+ 12-36V_IN [1][2]	4	GND_HV

Notes:

[1]: SV-POE-04 supports 12V~36V power input, but the final voltage is determined by the motherboard. For example, with SVX-H1156, the daughter card only supports 12V power input.

[2]: When the power input of the JPWR_POE1 is not enough, you can use the JPWR_POE2 to provide auxiliary power. **But pay attention, the auxiliary power supply must be consistent with the motherboard power supply voltage, otherwise it will burn the motherboard.** For example, when using with SVX-H1156, the auxiliary power supply must be 12V.

2) JPWR_POE1 (POE 12-36V Power Input Header1 10*2 Pin 2.54mm)

Graphic	Pin	Definition	Pin	Definition
	2	GND	1	+ 3.3V
	4	N/C	3	N/C
	6	+ 12-36V_IN	5	GND_HV
	8	+ 12-36V_IN	7	GND_HV
	10	+ 12-36V_IN	9	GND_HV
	12	+ 12-36V_IN	11	GND_HV
	14	+ 12-36V_IN	13	GND_HV
	16	+ 12-36V_IN	15	GND_HV
	18	+ 12-36V_IN	17	GND_HV
	20	+ 12-36V_IN	19	GND_HV

3) JPOE_LAN1 (LAN1 POE Power Output Header 2*2 Pin 2.54mm)

Graphic	Pin	Definition	Pin	Definition
	2	VSS_PSE1	1	+ 51V
	4	VSS_PSE1	3	+ 51V

4) JPOE_LAN2 (LAN2 POE Power Output Header 2*2 Pin 2.54mm)

Graphic	Pin	Definition	Pin	Definition
	2	VSS_PSE2	1	+ 51V
	4	VSS_PSE2	3	+ 51V

5) JPOE_LAN3 (LAN3 POE Power Output Header 2*2 Pin 2.54mm)

Graphic	Pin	Definition	Pin	Definition
	2	VSS_PSE3	1	+ 51V
	4	VSS_PSE3	3	+ 51V

6) JPOE_LAN4 (LAN4 POE Power Output Header 2*2 Pin 2.54mm)

Graphic	Pin	Definition	Pin	Definition
	2	VSS_PSE4	1	+ 51V
	4	VSS_PSE4	3	+ 51V

【End】