

# TP251

V1.0  
Jan 2018

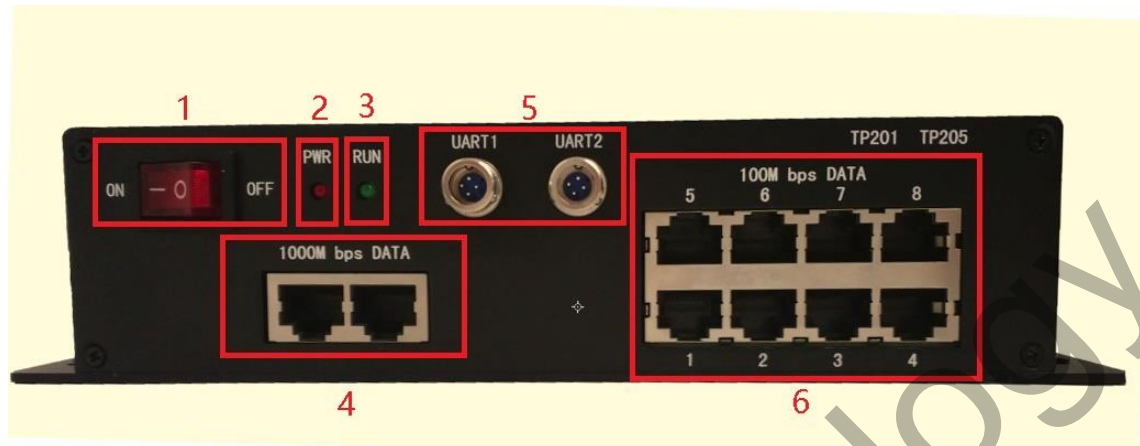
## 1. Features

TP251 card is an adapter for the latest promoted products: SOM (System on Module). The function of TP251 is to transfer the gigabit signal from sending card into 100mbps signal.

TP251 has 8 ways 100mbps signal output and 8 ways 100mbps signal input; supports up to 650 thousand pixels.( Pin1,2 on RJ45 is output to SOM card, PIN3,6 on RJ45 is the input)

TP251 works with the whole series SOM card, and supports both of the monitoring board and the function board.

## 2. Interface



No	Features	Note
1	Power switch	
2	Power indicator	Working status: solid red
3	Data indicator	Working status: flashes
4	Gigabit network signal input/output	For connecting sending card and cascading adapter
5	COM1,2	For connecting monitoring/function board
6	100mpbs network signal output	For connecting SOM card

RJ45 wiring:

**T568B (straight-through)**

- 1: white/orange stripe-----Tx+
- 2. orange -----Tx-
- 3. white/green stripe-----Rx+
- 4. blue-----
- 5. white/blue stripe-----
- 6. green-----Rx-
- 7. white/brown stripe-----
- 8. brown -----

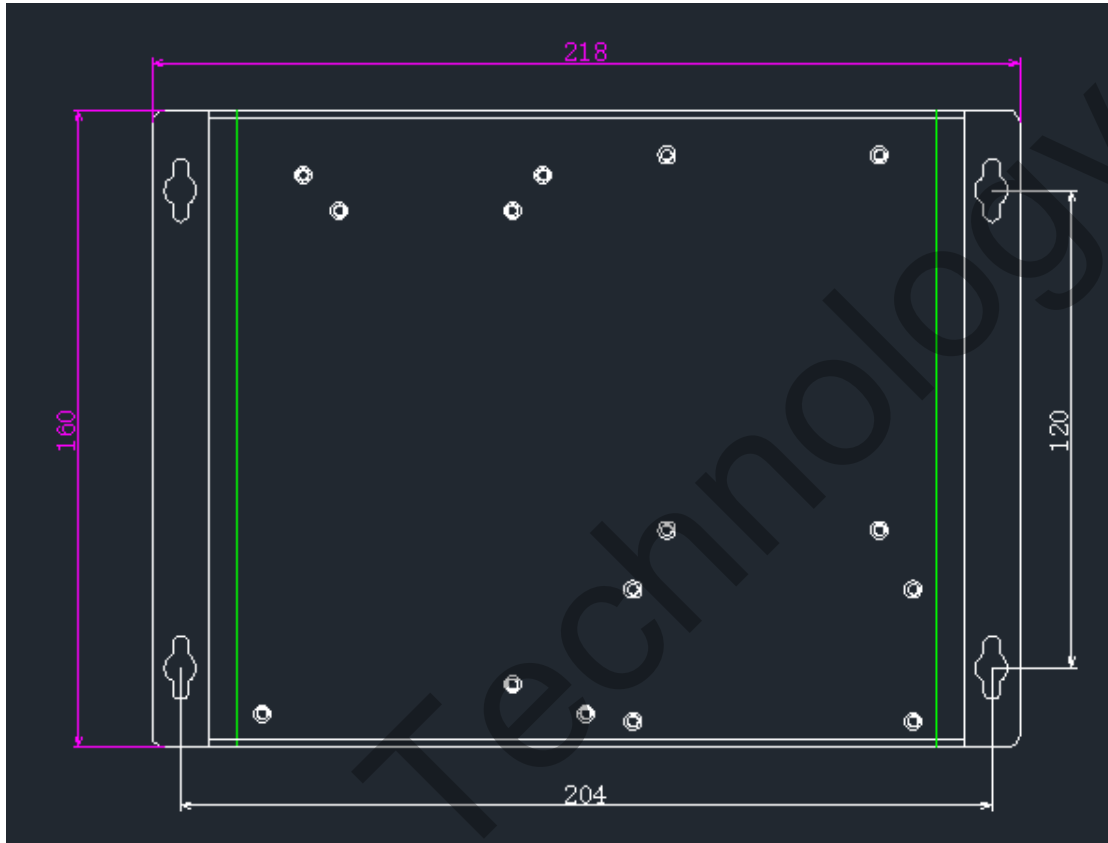
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### 3. Dimensions

218mm\*160mm\*47.7mm



### 4. Working conditions

	Average	Minimum	Maximum	Unit
Rated Voltage	4	3.3	4.8	W

Working Voltage	5	4.5	5.5	V
Working Current	0.8	0.73	0.87	A
Working Temperature		-20	70	°C
Working Humidity		0	95	%

**END**

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