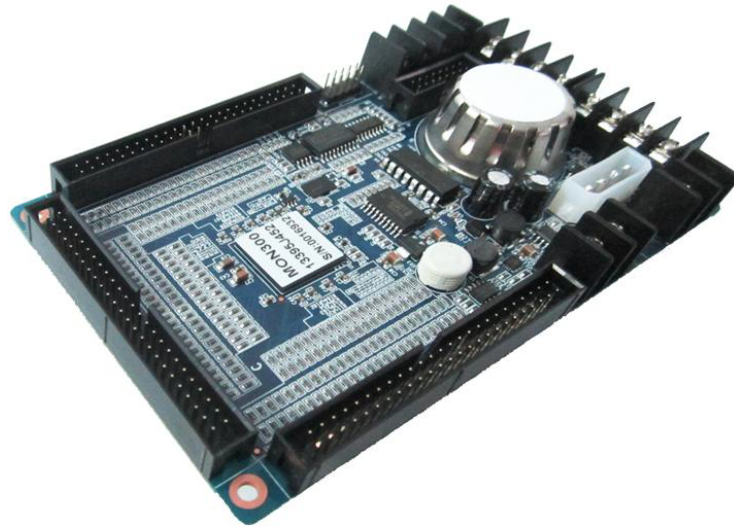


Features

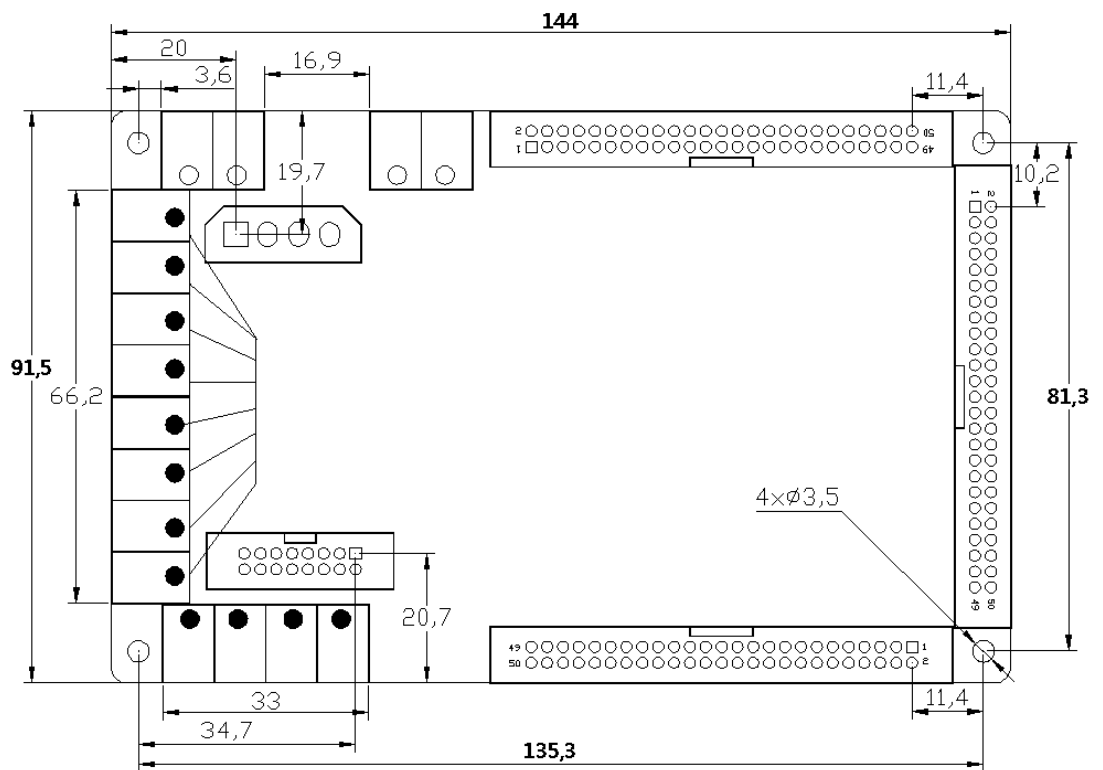
Nova MON300 is a monitoring card designed specifically for engineering projects and projects with high requirements of safety. It has the following features:

- 1) Used together with receiving card MRV320;
- 2) Supporting open and short circuit detection (drive IC support required);
- 3) Supporting flat cable fault detection;
- 4) Supporting cabinet humidity detection (no need to purchase extra module);
- 5) Supporting cabinet temperature detection (no need to purchase extra module);
- 6) Supporting 8-way power supply voltage detection;
- 7) Support 4-way fan speed detection;
- 8) Cabinet door open/close status detection supported;
- 9) Monitoring card HUB is required for LED status inspection or flat cable detection.



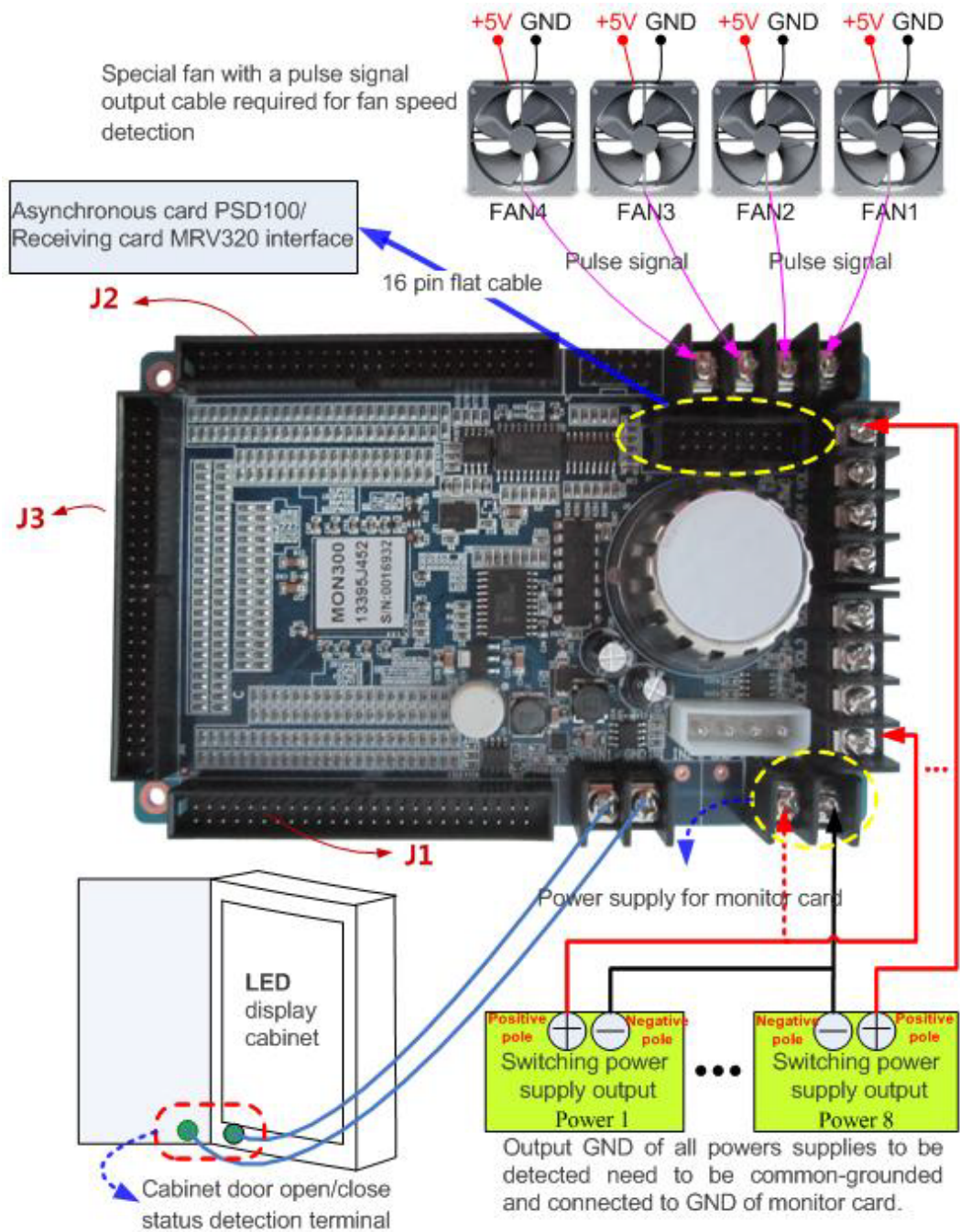
Dimensions

Thickness of the board is about 1.6mm. The overall thickness (board thickness + thickness of the components on front and back side) is about 22.5 mm .



Unit: mm.

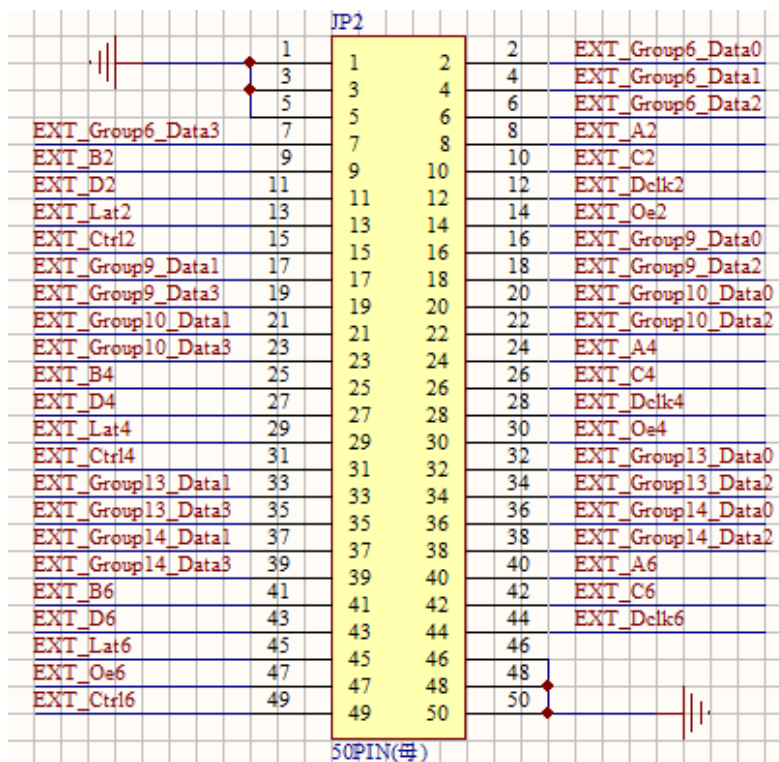
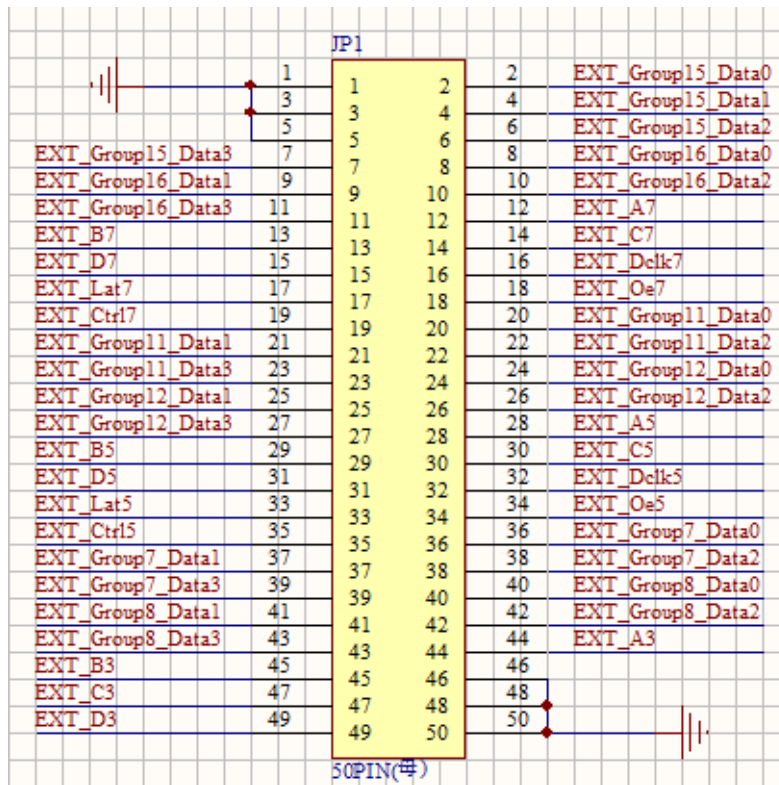
Appearance

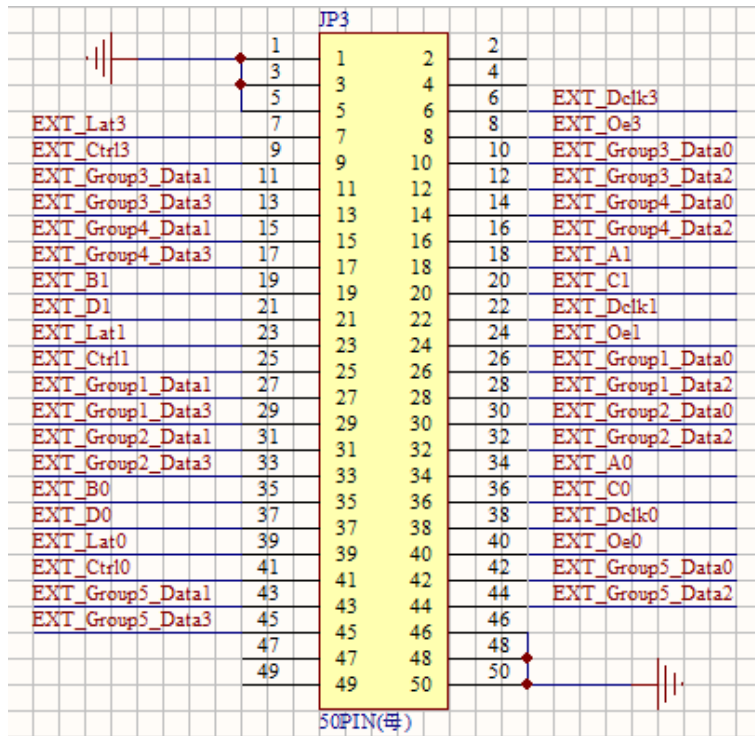


Note: Pictures used in this manual are C version of the board card. The functions of different versions are basically the same. There are only a few small differences in their appearance.

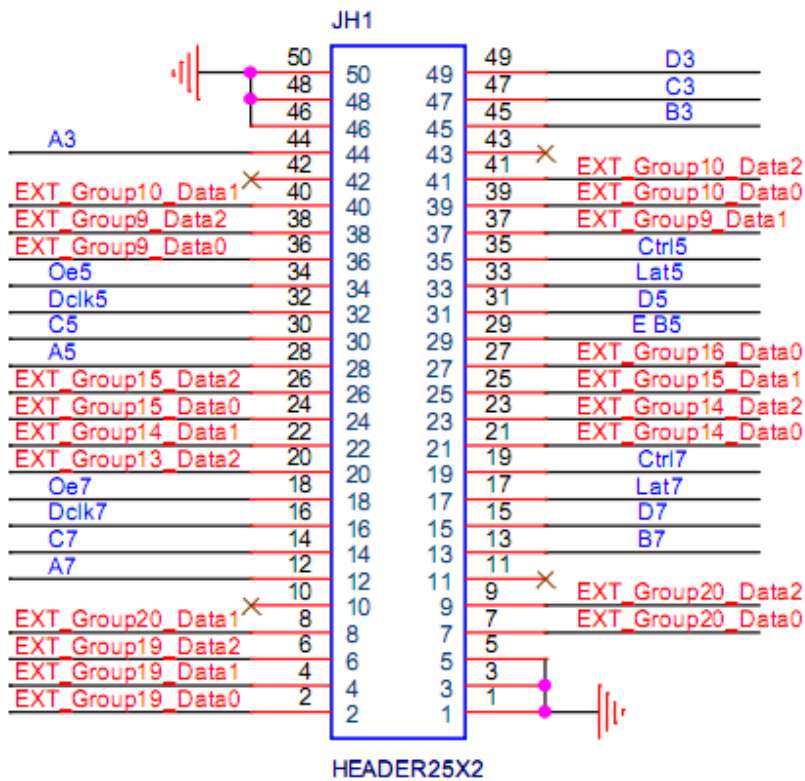
Interface Definition (Please design HUB according to below definitions)

1) 16-group data mode

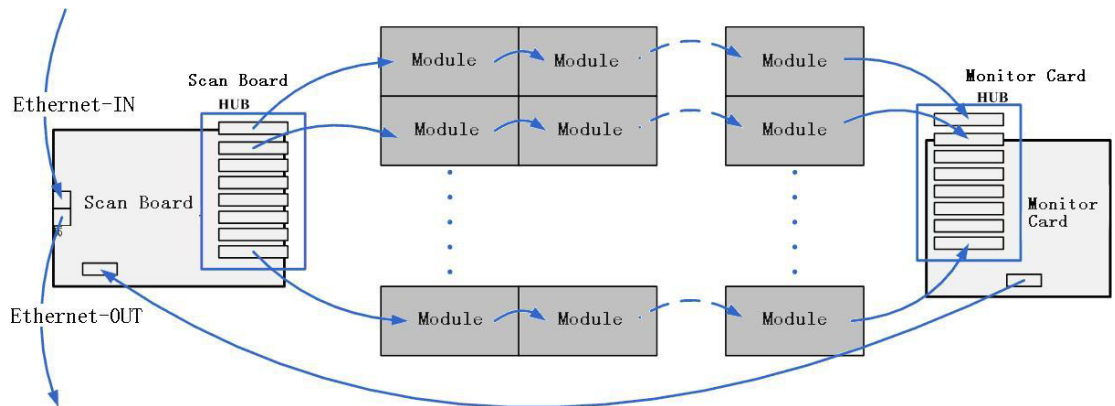




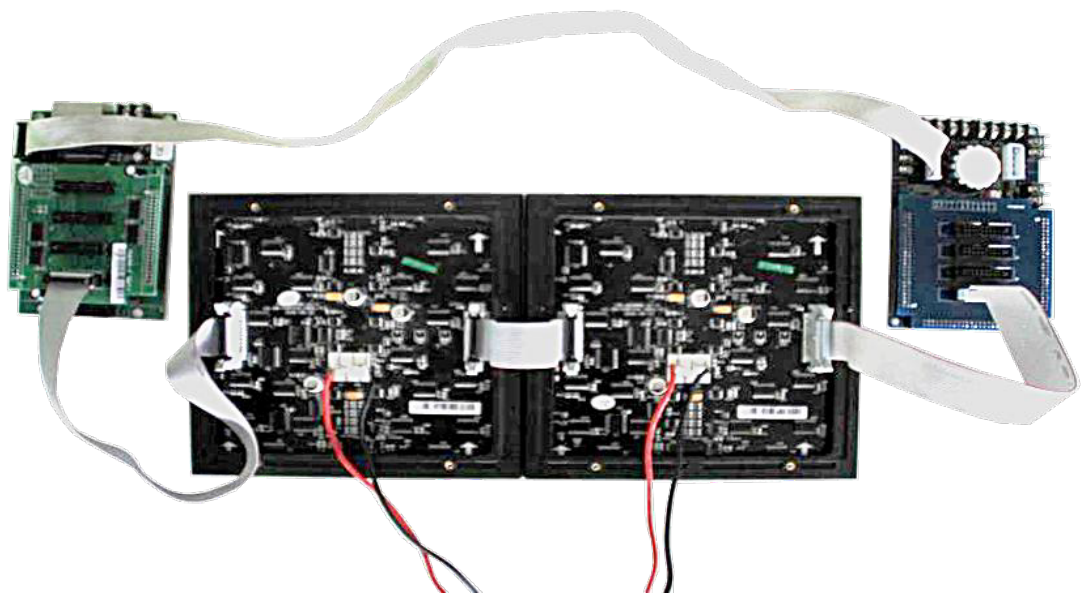
2) 20-group data mode



Connection



Connection diagram



Physical connection

Specifications

	MIN	TYP	MAX
Rated voltage (V)	4.5	5.0	5.5
Rated current (A)	0.12	0.15	0.20
Working environment temperature (°)	-20 ~ 60		
Working environment humidity (%)	0%~95%		
Working environment range of smoke sensor	Environment temperature	-20 ° ~ 60 °	Notice: When working temperature of the system card is higher than 60 ° and the relative humidity is higher than 60%, smoke sensor warning may happen . See Figure 5 - 1 .
	Environment humidity	0%~ 60 %	
Performance testing parameters			
Humidity (%)	MIN	1	MAX 99
Smoke	FW HW<0.7Mev		
Voltage	MIN	0	MAX 12

Note : Please DO NOT paint the surface of monitoring card with three-proofing lacquer, otherwise humidity monitoring function of the card maybe disabled.

