

Model Name	ES21
Working Memory (128MB)	○
Backup FRAM	128KB
Serial Port	COM1:RS-232/422/485 COM2:RS-485(RS-232 Optional)
Ethernet	2*RJ45 (Switch)
USB 2.0(Host)	○
USB 2.0(Client)	○
RTC	○
Micro SD	○
A Side Expansion(Optional)	○
Supply Voltage	Isolated 24Vdc±10%
Operating Temperature	-20° C ~ 70° C
Relative Humidity	10% ~ 90%
Shock (Operation)	Half sine, 15G, 11ms duration
Vibration (Operation)	Random vibration 1 Grms (5~500 Hz)
FCC / CE	YES / IEC61000-6-2 & IEC61000-6-4
Software Version	PM Designer v4.0.5.31 or higher version

### A02 Expansion Specifications

COM3	RS-232/422/485
COM4	RS-232
CAN Bus	---
SIO(Safety signal contactor)	Yes(2DI/2DO)
GIO(I/O Port)	---
Wi-Fi	---
4G / Wi-Fi	Optional
B Side Expansion	Optional
Weight(g)	271.8