



Heavy Industrial Grade

To work well in heavy industrial environment, the hardware of module need special design to against noise, surge, EFT. For this purpose, we provide several heavy industrial grade analog modules.

1. Common Voltage Protection
2. Overvoltage Protection
3. ESD (IEC 61000-4-2)
4. EFT (IEC 61000-4-4)
5. RS (IEC 61000-4-3)

Analog Output Module (Heavy Industrial Grade)		
Model Name	I-7024R	M-7024R
		M-7024U
Pictures	 	
Analog Output		
Channels	4	
Range	0 ~ 5 V, ±5 V, 0 ~ 10 V, ±10 V, 0 ~ 20 mA, 4 ~ 20 mA	
Wiring of Current Output	Sink	Source
Resolution	14-bit	16-bit
★ Accuracy	0.1%	0.05%
DA Output Response Time	10 ms	
Open Wire Detection (for current only)	-	Yes
Channel to Channel Isolation	-	
★ Power-on Value	Yes	Yes
★ Safe Value	Yes	Yes
Digital Input		
Channels	5	6
Contact	Dry	
Sink/Source (NPN/PNP)	Source	
On Voltage Level	Close to GND	
Off Voltage Level	Open	
★ Counter (50 Hz, 16-bit)	Yes	
Input Impedance	100 KΩ	
Overvoltage Protection	±30 Vdc	
Digital Output		
Channels	4	
Type	Open Collector	
Sink/Source (NPN/PNP)	Sink	
Load Voltage	+3.5 ~ 30 Vdc	
Max. Load Current	700 mA/Channel	
Overvoltage Protection	Yes	
Overload Protection	Yes	
Power-on Value	Yes	
Safe Value	Yes	
System		
★ Dual Watchdog	Yes	
ESD (IEC 61000-4-2)	±4 kV	
EFT (IEC 61000-4-4)	±4 kV	
RS (IEC 61000-4-3)	5 V/m, 80 MHz ~ 1 GHz	
Intra-Module Isolation, Field-to-Logic	3000 Vdc	
Power Input	10 ~ 30 Vdc	
Power Consumption	3.2 W	