



I-7052/I-7052D

Features

- Differential Digital Inputs
- Sink Type or Source Type
- Photocouple Isolation
- Can Be Used As Counters 4 kV ESD Protection
- 5000 Vrms Isolation Voltage
- Dual Watchdog
- RoHS Compliance
- Wide Range of Operating Temperature: -25 °C ~ +75 °C









■ Introduction _

I-7052 offers 6 fully independent channels and 2 common ground channels for digital input. The diffential inputs features Photocouple isolation for channel to channel. Moreover, you can choose sink type or source type input by wire connections. All channels are able to be used as 16-bit counters. I-7052D has 8 LED indicators for DI channel status. 4KV ESD protection and 5000 Vrms intra-module isolation are standard.

Applications -

Building Automation, Factory Automation, Machine Automation, Remote Maintenance, Remote diagnosis, Testing Equipment.

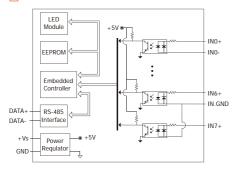
☑ I/O Specifications

Digital Input		
Input Channels		8
Input Type		Sink or Source, 6 fully independent channels and 2 common ground channels
Off Voltage Level		+1 V Max.
On Voltage Level		+4 V _{DC} ~ +30 V _{DC}
Input Impedance		3 kΩ, 0.3W
	Channels	8
Counters	Max. Counters	16-bit (65535)
Counters	Max. Input Frequency	100 Hz
	Min. Pulse Width	5 ms
Photo-isolation		5000 V _{rms}

System Specifications

Interface	Interface		
Interface		RS-485	
Format Baud Rate		N, 8, 1	
		1200 ~ 115200 bps	
LED Display		1 LED as Power/Communication indicator	
		8 LEDs as digital input indicators	
		(for I-7052D)	
Power			
Input Voltage Range		+10 Vpc ~ +30 Vpc	
Power	I-7052	0.4 W	
Consumption	I-7052D	0.7 W	
Storage temperature Humidity			
		-25 °C ~ +75 °C	
		-40 °C ~ +85 °C	
		5 ~ 95% RH, non-condensing	
		72 mm x 122 mm x 35 mm (W x L x H)	

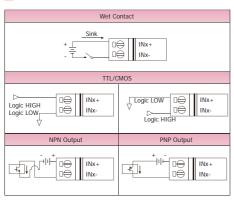
■Internal I/O Structure _



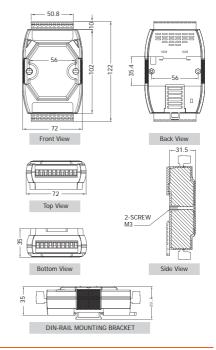
☑ Pin Assignment _____

Terminal No.	Pin Assignment	20	11	Terminal No.	Pin Assignment
01	IN5+	//	V	20	IN4-
02	IN5-		-	19	IN4+
03	IN6+	103	no:	18	IN3-
04	IN.GND	1-70	052	17	IN3+
05	IN7+	9 1-70	52D 🥞	16	IN2-
06	INIT*		/	15	IN2+
07	(Y)DATA+		/	14	IN1-
80	(G)DATA-	\\	-	13	IN1+
09	(R)+Vs	99999	99999	12	INO-
10	(B)GND	01	10	11	INO+

■ Wire Connection —



■ Dimensions (Unit: mm) _



Ordering Information _____

I-7052 CR	8-channel Isolated Digital Input Module with 16-bit Counters (RoHS)
I-7052D CR	I-7052 with LED Display (RoHS)

Related Products _____

Converters	USB, RS-232, Fiber Optical to RS-485 Converters and Repeaters
Power Supply	24 Voc Power Supply
Polay Modulo	External Polay Modulos for L 7000 DO Modulo

Learning Kit	Starter Learning Kit
Application Books	Application Books Designed with Our Products
Data Logger Software	User Friendly Data Logger Software (free)