

CONPROSYS Robust I/O Series
RS-485 I/O Module 16-ch DI
CPSR-M7053DG



* Specifications, color and design of the products are subject to change without notice.

Features

16 Source-type Digital Inputs
Long Effective Distance
All Channels Can be Used as 16-bit Counters
Built-in Dual Watchdog

The product features a long effective distance measurement for dry contact digital input of up to 500 meters.

The product supports source-type input.

All 16 channels are also able to be used as 16-bit counters, each of which are non-isolated.

All channels are able to be used as 16-bit counters.

The product has 16 LED indicators for channel status monitoring.

- * The contents in this document are subject to change without notice.
- * Visit the CONTEC website to check the latest details in the document
- * The information in the data sheets is as of June, 2025.

Specifications

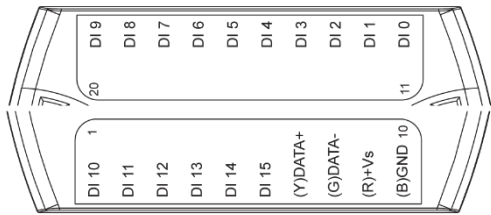
System specification

Item	Description
CPU Module	
Watchdog Timer	Module, Communication (Programmable)
Display	
Type	I/O LED Indicator
LED Indicators	
Status	1 x Power and Communication 16 x Digital Input
COM Ports	
Ports	1 x RS-485
Baud Rate	1200 - 115200 bps
Data Format	(N, 8, 1), (N, 8, 2), (E, 8, 1), (O, 8, 1)
Protocol	Modbus RTU
Power	
Reverse Polarity Protection	Yes
Input Range	+10 - +30 VDC
Consumption	0.9 W
Mechanical	
Dimensions (mm)	72(W) x 122(L) x 34 (H)
Installation	DIN-Rail Mounting
Environment	
Operating Temperature	-25 - +75 °C
Storage Temperature	-40 - +85 °C
Humidity	10 - 95% RH, Non-condensing
Standard	VCCI Class A, FCC Class A CE Marking (EMC Directive Class A, RoHS Directive), UKCA

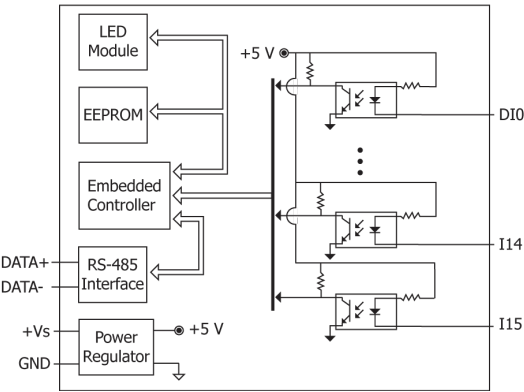
I/O specification

Item	Description
Digital Input/Counter	
Channels	16
Type	Dry Contact
Sink/Source (NPN/PNP)	Source
ON Voltage Level	Open
OFF Voltage Level	Close to GND
Max. Counts	65535 (16-bit)
Frequency	100 Hz
Min. Pulse Width	5 ms
Effective Distance	500m Max.

Pin Assignments



Internal I/O Structure



Wire Connections

Digital Input /Counter	ON State Readback as 1
Dry Contct	OPEN or <4VDC
	OFF State Readback as 0
	+3.5 to +30 VDC