

CONPROSYS Robust I/O Series
Modbus-TCP Ethernet Remote I/O
Analog Output 12bit 8ch
CPSR-ET7028



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

Features

Built-in Web Server
Web HMI
Support for both Modbus TCP and Modbus UDP Protocols
Communication Access Control
Dual Watchdog
I/O Pair Connection
Built-in I/O
AO: 8 Channels

Support Software

Name	Contents	How to get
DAQ-LIBMB-WIN	Modbus communication library for Windows	Download from the CONTEC website
DAQ-LIBMB-LNX	Modbus communication library for Linux	Download from the CONTEC website
CONPROSYS Robust I/O Utility	Users can configure the communication parameters and I/O settings for each module by using CONPROSYS Robust I/O Utility.	Download from the CONTEC website
Modbus Master Tool	It provides a friendly interface for quick configuring and communicating our Modbus slave devices.	Download from the CONTEC website

Download the files from the following URL
<https://www.contec.com/download/>

The product is an 8 channels analog output. It provides a variety of programmable analog output options ($\pm 5\text{ V}$, $\pm 10\text{ V}$, 0 to 20 mA, and 4 to 20 mA), and each analog output can be programmed to accept either current or voltage as output depending upon the position of the corresponding jumper. The product is fully RoHS compliant and provides 4 kV ESD protection as well as 2500 VDC intra-module isolation.

- * 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 July, 2026.

Specifications

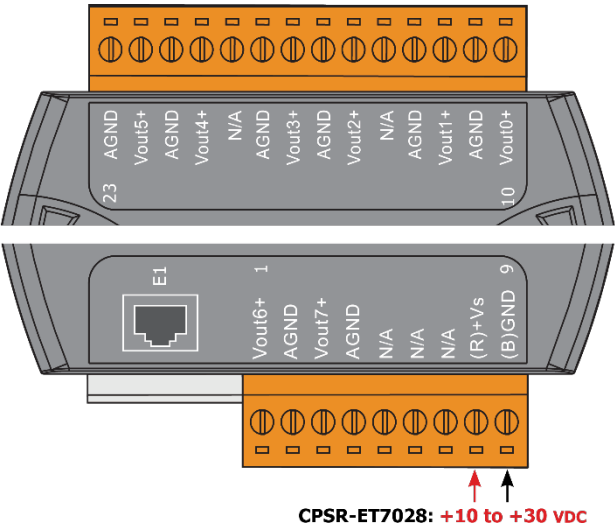
System specification

Model	Description
Software	
Built-in Web Server	Yes
CPU Module	
Watchdog Timer	Module, Communication (Programmable)
2-Way Isolation	
Ethernet	1500 VDC
I/O	2500 VDC
EMS Protection	
EFT (IEC 61000-4-4)	$\pm 4\text{ kV}$ for Power Line
ESD (IEC 61000-4-2)	$\pm 4\text{ kV}$ Contact for Each Terminal $\pm 8\text{ kV}$ Air for Random Point
LED Indicators	
Status	Run, Ethernet
Ethernet	
Ports	1 x RJ-45, 10/100 Base-TX
Access Control	ID, Password and IP Filter
Protocol	Modbus TCP, Modbus UDP
Power	
Reverse Polarity Protection	Yes
Consumption	6 W (Max)
Powered from Terminal Block	+10 to +30 VDC
Mechanical	
Dimensions (mm)	72(W) x 123(L) x 35 (H)
Installation	DIN-Rail Mounting
Environment	
Operating Temperature	-25 - +75 °C
Storage Temperature	-30 - +80 °C
Humidity	10 - 90% RH, Non-condensing
Standard	VCCI Class A, FCC Class A, CE Marking (EMC Directive Class A, RoHS Directive), UKCA

I/O specification

Item	Description
Analog Output	
Channels	8
Type	Voltage, Current
Range	+0 to +5 VDC, ±5 VDC, +0 to +10 VDC, ±10 VDC, 0 to 20 mA, 4 to 20 mA (Jumper Selectable, Note)
Resolution	12-bit
Accuracy	±0.1% of FSR
Open Wire Detection	For 4 to 20 mA only
Voltage Output Capability	10 V @ 10 mA
Individual Channel Configuration	Yes
Current Load Resistance	500 Ω
Power on Value	Programmable
Safe Value	Programmable

Pin Assignments



Wire Connections

Voltage Output	
	JP5 ~ JP12 (Default)
Current Output	
	JP5 ~ JP12