

CONPROSYS Robust I/O Series
Modbus-TCP Ethernet Remote I/O
Digital Input (Counter) 8ch / 8ch Digital Output (sink)
CPSR-ET7044
Modbus-TCP Ethernet Remote I/O
Digital Input (Counter) 8ch / 8ch Digital Output (sink)
CPSR-ET7244



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* 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
2-port Ethernet Switch (LAN bypass) for Daisy-chain Wiring (CPSR-ET7244 only)
Dual Watchdog
I/O Pair Connection
Built-in I/O
 DI/Counter: 8 Channels
 DO: 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 provides 8 wet contact digital input channels and 8 sink-type digital output channels. It features optical isolation for 3750 Vrms of transient overvoltage protection but doesn't provide channel-to-channel isolation. Each input channel can be used as a 32-bit counter and each output channel can drive a 300 mA load. The power-on value and safe value of the digital output channel are programmable. It can safely be used in applications where hazardous voltages are present.

- * 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

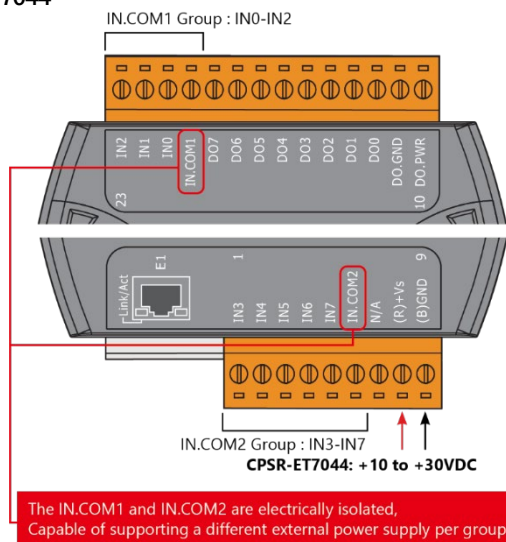
Item	CPSR-ET7044	CPSR-ET7244
Software		
Built-in Web Server	Yes	
CPU Module		
Watchdog Timer	Module, Communication (Programmable)	
2-Way Isolation		
Ethernet	1500 VDC	
I/O	2500 VDC	
EMS Protection		
EFT (IEC 61000-4-4)	±4 kV for Power Line	
ESD (IEC 61000-4-2)	±4 kV Contact for Each Terminal, ±8 kV Air for Random Point	
LED Indicators		
Status	Run, Ethernet	Run, Ethernet, I/O
Ethernet		
Ports	1 x RJ-45, 10/100 BASE-TX	2 x RJ-45, 10/100 Base-TX, Switch Ports
LAN bypass	-	Yes
Access Control	ID, Password and IP Filter	
Protocol	Modbus TCP, Modbus UDP	
Power		
Reverse Polarity Protection	Yes	
Consumption	2.5 W (Max.)	3.3 W (Max.)
Powered from Terminal Block	+10 to +30 VDC	+12 to +48 VDC
Mechanical		
Dimensions (mm)	72(W) x 123(L) x 35(H)	76(W) x 120(L) x 42(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

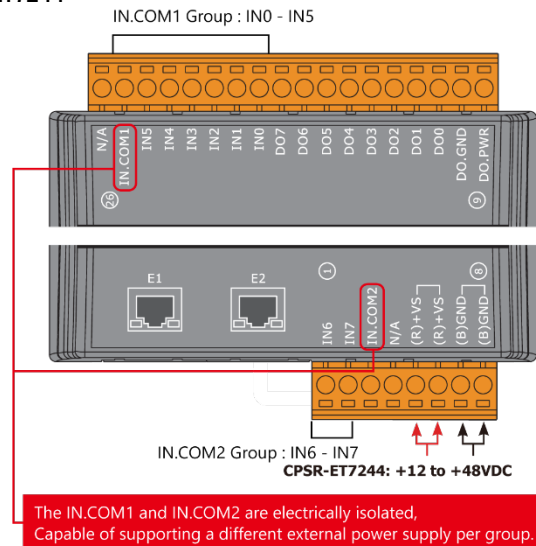
Item		CPSR-ET7044	CPSR-ET7244
Digital Input/Counter			
Channels		8	
Type		Wet Contact	
Sink/Source (NPN/PNP)		Sink/Source	
ON Voltage Level		+10 to +50 VDC	
OFF Voltage Level		+4 VDC (Max)	
Counters	Max. Counts	4,294,967,295 (32-bit)	
	Frequency	500 Hz	100Hz
	Min. Pulse Width	1 ms	5ms
Input Impedance		10 kΩ	
Overvoltage Protection		+70 VDC	
Digital Output			
Channels		8	
Type		Isolated Open Collector	
Sink/Source (NPN/PNP)		Sink	
Load Voltage	+10 to +40 VDC		+3.5 to +50 VDC
Load Current	300 mA/channel		650 mA/channel
	at 25°C Direct Drive Power Relay Module		
Overvoltage Protection		+60 VDC	
Overload Protection		1.4 A	
Short-circuit Protection		Yes	
Power on Value		Programmable	
Safe Value		Programmable	

Pin Assignments

CPSR-ET7044



CPSR-ET7244



Wire Connections

Digital Input/Counter	Readback as 1 +10 to +50 VDC	Readback as 0 OPEN or <4 VDC
Sink		
Source		

Digital Output	ON State Readback as 1	OFF State Readback as 0
Drive Relay		
Resistance Load		