



VIA MAESTRI DEL
LAVORO,30
(ZONA INDUSTRIALE)
56021 CASCINA (PI)
ITALY

CAPITALE SOCIALE
100.000,00 €

C.F. E P.I. 01252870504



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OPRIOCOM00

Gateway EtherCAT AlphaRIO 1-ch. RS-485 Communication Interface

Reduced Data sheet

Version: 1

Date: 27.01.2026

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Overview



The Communication Interface Module OPRIOCOM00 is part of the AlphaRIO family modules. The module allows to open a serial communication channel towards peripherals equipped with an RS485 interface. The module communicates with the central control unit through the EtherCAT system bus. An EtherCAT Bus Coupler Module (OPRIOBCM02) is required to interface the OPRIOCOM00 module to the EtherCAT network. The OPRIOBCM02 connects all the I/O modules of the AlphaRIO family to the right side of the box.

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Part Number

Code

<i>Code</i>	<i>Description</i>
OPRIOCOM00	Gateway EtherCAT AlphaRIO Module, 1-ch. RS-485 Communication Interface

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Product status

Item	Value
Status	In production: suitable for new application
In production from:	March 2019
In production at least until:	Dec 2028

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Technical data summary

Power requirements		
Input Power	7Vdc [powered by OPRIOBCM02 through the internal bus]	
BUS Power Consumption	100mA max @ 7Vdc	
Bus Interface		
Protocol	E-BUS	
Connection	Internal bus connector	
Environment		
Operating temperature	0 ... 50 °C	
Storage Temperature	-10 ... 70 °C [The environment during transportation and storage must be dry and free from dust]	
Humidity	Up to 90% without condensation	
Overall Dimension	Approx. 108.5mm (H) x 23mm (W) x 80mm (D)	
Weight	110 gr.	
Protection Class	IP20	
EMC	Compliant to EN 61000-6-2, EN 61000-6-4	
Mounting	Standard 35mm DIN rail	
Hardware Diagnostics		
BUS Status	Green LED	
Error	Red LED	
COM status	Green LEDs	



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Software Diagnostic		
GND	Earth connection presence	
Temperature	High temperature detection	
Firmware	Upgradeable with flash technology via EtherCAT® fieldbus (FOE)	
Serial Interfaces		
Ports	No.1 Channel Communication Interface TX/Rx half duplex	
Level interface	RS485	
Data transfer rate (baud)	2400, 4800, 9600, 19200, 38400, 57600, 115200	
N bit	7 or 8	
Parity	None, even or odd	

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Certifications

Certification	Description
CE	EU Declaration of Conformity: EMC Directive 2014/30/UE Standards used: EN 61000-6-2:2019 EN 61000-6-4:2019
UL	Compliant with UL 61010-1, UL 61010-2-210 SAFETY SU-CA: E543724
RoHS	Declaration of Conformity: RoHS Directive 2011/65/EU
Origin	Italy
CRA	Yes (pending)

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Layout and dimension

Height	108.5 mm
Width	18 mm
Depth	80 mm

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Reference documents