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OPRIOAI202

Analog Input and Analog Output Board

Reduced Data sheet

Version: 1

Date: 27.01.2026



All that technology can do

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Overview



The analog module 2 inputs + 2 outputs is part of the αRIO family of devices. The OPRIOAI2O2 module acquires analog voltage or power signals and converts the measured quantities into digital numerical values that can be processed by the PLC. It also converts the numerical values processed by the PLC into voltages. The module has 2 input channels with a resolution of 12 bits and 2 output channels with a resolution of 12 bits. The reference ground for all inputs is the 0V contact.

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Part Number

Code

Code	Description
OPRIOAI2O2	2 analog inputs + 2 outputs (4 channels) aRIO Module

Product status

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

Technical data summary

Power requirements	
Input Power	Internal bus powered
BUS Power Consumption	120mA max
Internal Bus	
Protocol	I-BUS
Analog Input	
Number of channels	2
Resolution	12 bits
Input range	-10...+10V 4..20mA
Analog Output	
Number of channels	2
Resolution	12 bits
Output range	-10...+10V
Environment	



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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 18mm (W) x 80mm (D)
Weight	110 gr.
Protection Class	IP20
Mounting	Standard 35mm DIN rail
Hardware Diagnostics	
Input Status	Green LED
Output Status	Amber LED
Software Diagnostic	
GND	Earth connection detection
Temperature	High temperature detection
Range	Out of range detection (current)
Short Circuit	
Installation and Weight	
Installation	DIN rail 35mm standard EN 60715
Weight	110 gr.

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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
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

Reference documents

Full technical data sheet: OPRIOAI202