



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

CAPITALE SOCIALE
100.000,00 €

C.F. E P.I. 01252870504



+39 050 711131



+39 050 711472



isacsrl@isacsrl.it



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OPRIOAIM00

Analog Input Board

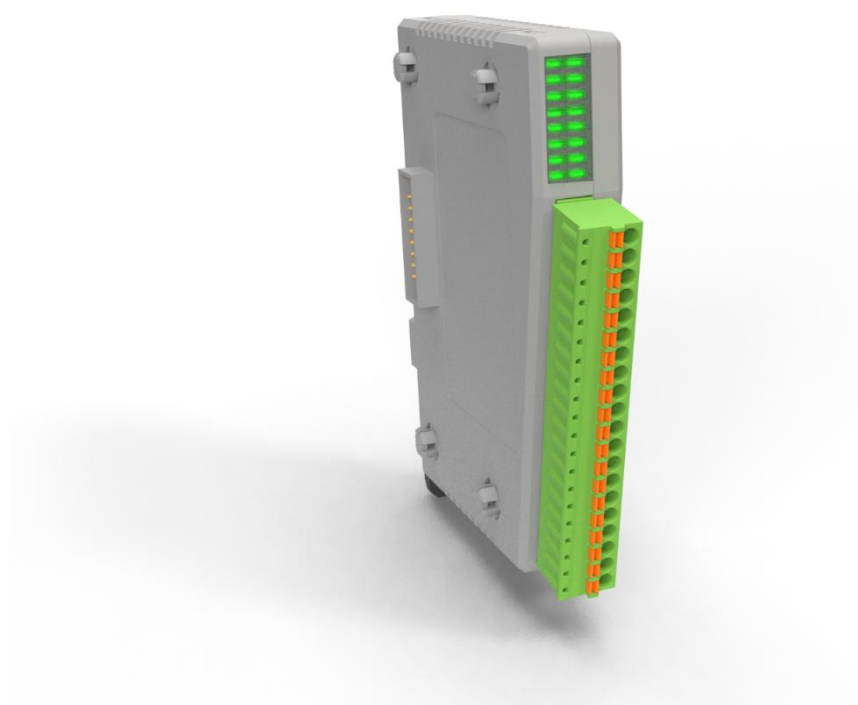
Reduced Data sheet

Version: 1

Date: 02.02.2026

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Overview



The analog input module is part of the αRIO family of devices. The OPRIOAIM00 module acquires analog voltage or power signals and converts the measured quantities into digital numerical values that can be processed by the PLC. The module has 4 input channels with a resolution of 12 bits. The reference ground for all inputs is the 0V contact.

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Part Number

<i>Code</i>	<i>Description</i>
OPRIOAIM00	Modulo αRIO di ingressi Analogici (4 canali)

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Technical data summary

Code

Power requirements	
Input Power	Internal bus powered
BUS Power Consumption	120mA max
Internal bus	
Protocol	I-BUS
Analog Input	
Number of channels	4
Resolution	12 bits
Input range	-10...+10V 4..20mA
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 18mm (W) x 80mm (D)
Weight	110 gr.
Protection Class	IP20
Mounting	Standard 35mm DIN rail
Hardware Diagnostics	
Input Status	Green LED
Software Diagnostic	
GND	Earth connection detection
Temperature	High temperature detection
Range	Out of range detection (current)
Installation and Weight	
Installation	Guide DIN 35mm standard EN 60715
Weight	110 gr.

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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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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

<i>P/n</i>	<i>Unit</i>	<i>Width</i>	<i>Height</i>	<i>Depth</i>
OPRIOAIM00	[mm]	18	108.5	80

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Reference documents

Full technical data sheet: OPRIOAIM00