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OPRIOIOLM0

IOLink GATEWAY Board

Reduced Data sheet

Version: 1

Date: 02.02.2026

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Overview



The OPRIOIOLM0 IO-Link module is part of the αRIO family of modules. The module is an IO-Link master controller and allows the connection of up to four IO-Link devices (sensors or actuators). A point-to-point connection between the module and the device must be used. The module acts as a gateway between the fieldbus layer (EtherCAT) and the IO-Link protocol. The protocol enables bidirectional data exchange between the master controller and the devices. IO-Link devices can be parameterized with service data via the IO-Link configurator available within the EtherCAT master controller provided by ISAC.

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Part Number

Code

Code	Description	IO Interfaces
OPRIOIOLM0	Terminal EtherCat AlphaRIO	Nr.4 IO-Link Port A Class Nr.4 Digital Input

Product status

Item	Value
Status	In production: suitable for new application
In production from:	Jan 2023
In production at least until:	Dec 2028

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Technical data summary

Power requirements	
Input Power	Internal bus powered
BUS Power Consumption	100mA max
Protocol	EBUS
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
Mounting	Standard 35mm DIN rail
Hardware Diagnostics	
Status	Green LED
Error	Red LED
IO-Link status	Green LEDs
Software Diagnostic	
GND	Earth connection presence
Temperature	High temperature detection
Firmware	Upgradeable with flash technology via EtherCAT® fieldbus (FOE)
I/O Interfaces	
IO-Link ports	No.4 Channel A Class
Input ports	No.4 Additional Input ports

Each IO-Link port can be configured as an IO-Link line or traditional input or traditional output with a nominal voltage level of 24Vdc.

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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 EN 63000:2028
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>
OPRIOIOLM0	[mm]	23	108.5	80

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Reference documents

Full technical data sheet: OPRIOIOLM0