

JNIOR™

An Ethernet Network I/O Resource with Advanced Capabilities

Expansion Module

- 4 Analog Inputs
- 2 Analog Outputs

Phone 724-933-9350 | www.integpg.com | jniorsales@integpg.com

- “Plug and Play” Analog Expansion I/O
- Works Seamlessly with the JNIOR 310
- Cost-Effective
- No Programming Required
- Web Based Configuration Screen
- Integrates Easily with Other Applications
- TCP/IP, Modbus and OPC Communications



The **JNIOR** family of I/O modules with “Advanced Capabilities” brings cost-effective and seamless connectivity and control, with web and IT friendly features, to a small amount of process signals for integration over the Ethernet network with a variety of asset management applications.

The **INTEG** I/O Net™ Analog Expansion Module allows users of the **JNIOR** Model 310 to add analog I/O to their applications. The Model 310 automatically recognizes the analog module when connected via the Sensor Port. The analog module I/O points will be seamlessly integrated with the **JNIOR** I/O data structure and become instantly available via the built-in web pages, TCP/IP data packets, DLL, and OPC Server. The module configuration is completed via the built-in web page.

Several “plug and play” expansion modules can be daisy-chained to the **JNIOR** Model 310 via the Sensor Port and I/O Net.



Catalog No.	Inputs	Outputs
JNR-101-001	4 @ 0 – 10 volts	2 @ 0 – 10 volts
JNR-101-002	4 @ 0 – 20 mA	2 @ 0 – 10 volts
JNR-102-001	4 @ 4 – 20 mA	2 @ 4 – 20 mA

Power Input	None required - Draws power via Sensor Port on JNIOR
Physical	
Dimensions	4 x 2 x 1.2 in. (102 x 51 x 31 mm)
Weight	4 ounces (115 grams)
Case	Flame Retardant ABS Plastic
Analog Inputs	
Quantity	4
Range	0 – 10 VDC, 0 – 20 mA, 4 – 20 mA
A/D Resolution	16 bits (8 bits effective)
Full Scale Accuracy	Better than 1% full-scale range
Analog Outputs	
Quantity	2
Range	0 – 10 VDC, 4 – 20 mA
D/A Resolution	8 bits
Full Scale Accuracy	Better than 1% full-scale range
Sensor Port	I/O expansion via “I/O Net” – can be located up to 50 feet from the JNIOR
Environment	
Operating Temp	-15°F to 160°F (-25°C to 70°C)
Storage Temp	-40°F to 185°F (-40°C to 85°C)
Humidity	5 to 95% Non-Condensing
Installation	
Wiring	2-piece connectors for wiring
Mounting	Tabs with DIN-rail option available
Warranty	2 years

