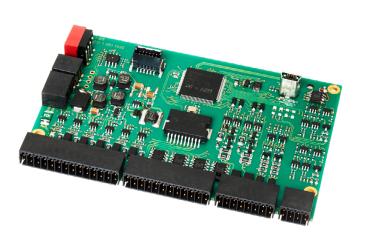# AL CAN-IO 12/12/4/4
Automation-Line

Ultra compact multifunctional I/O Module

> Compact I/O module

> Flexible connection via CAN bus

> Wide range of I/O channels

> Robust casing

kontron

FUNCTION		STANDARD
COMMUNICATION	CPU	CAN up to 1MBit/s
INPUTS AND OUTPUTS	DIGITAL INPUTS	12x DIN 24 V DC ±15% / 6 mA, of which 2 inputs as 32 Bit counter usable, up to 100 kHz
	DIGITAL OUTPUTS	12x DOUT 24 V, of which 4x PWM, max. 24 kHz, 0,8 A
	ANALOG INPUTS	4x analog IN, 0…10V, 0…20 mA, 12 bit resolution
	ANALOG OUTPUTS	4x analog OUT, 0…10V, 12 Bit resolution
	PT100	2x PT100, 2-4 wire connector, resolution ±0,5 °C from -40°C…+139 °C
OTHER	POWER SUPPLY	24 V DC ±15 %
	CURRENT CONSUMPTION/POWER	60 mA bis 5.5 A / <125 W (dependent on I/O configuration)
	TEMPERATURE RANGE	0 °C…+55 °C
	HUMIDITY	95 %, condensation-free
	HOUSING DIMENSIONS (w x h x d)	Stainless steel housing 110,5 x 24,8 x 75,5 mm for mounting on 35 mm mounting rail acc.to EN 60715
	FORM FACTOR	
	EMC STABILITY	EN 61000-6-2 / EN 61000-6-4
	PROTECTION CLASS	IP20
	ACCESSORIES PLUG SET	AC Connector set AL CAN-IO 12/12/4/4

Product Highlights

The Internet of Things (IoT) is the buzzword of the day, and it's all about communication. However, the data you need to transport are generated at the interface between the analog and the digital worlds. Therefore we still have to rely on traditional I/O functions in the digital age. Our CAN bus-controlled I/O assembly offers you a compact, high-performing assembly that can handle a wide range of tasks.

The assembly comes with 34 integrated channels (12 digital inputs and outputs each, 4 analog inputs and outputs each, as well as 2 temperature inputs). Should you need more than that one day, you can easily add further modules (up to 15) and connect them via CAN bus. 2 input channels each can be used as high-speed counter inputs and/or 4 outputs as PWM channels. All channels are provided as industry-compliant connectors with cage clamps.

Realize your automation and IoT solutions with this ultra-compact, multifunctional module!

Client Benefits

❱ Small, compact construction
❱ Flexible assembly – top-hat rail, piggyback on CPU or open frame
❱ Multifunctional module for a wide range of tasks
❱ Optional custom firmware

Applications

❱ IoT
❱ Mechanical engineering
❱ Device technology
❱ Drive control (counter/PWM)
❱ Temperature control (PT100)
❱ Building automation

About Kontron

Kontron is a global leader in IoT/Embedded Computing Technology (ECT) and offers individual solutions in the areas of Internet of Things (IoT) and Industry 4.0 through a combined portfolio of hardware, software and services. With its standard and customized products based on highly reliable state-of-the-art technologies, Kontronprovides secure and innovative applications for a wide variety of industries. As a result, customers benefit from aceerated time-to-market, lower total cost of ownership, extended product lifecycles and the best fully integrated applications.

For more information, please visit: **www.kontron.com**

About Kontron Electronics

Kontron Electronics GmbH is a full-service provider in the field of electronics, development and manufacturing services. Our business portfolio includes proprietary and client-specific products, development and design services for complex electronics components, modules and systems, as well as production and assembly services for entire devices. The company is part of the technology corporation Kontron AG.

For more Information please visit: **www.kontron-electronics.com**

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