AL CAN I/O Modul

Automation-Line



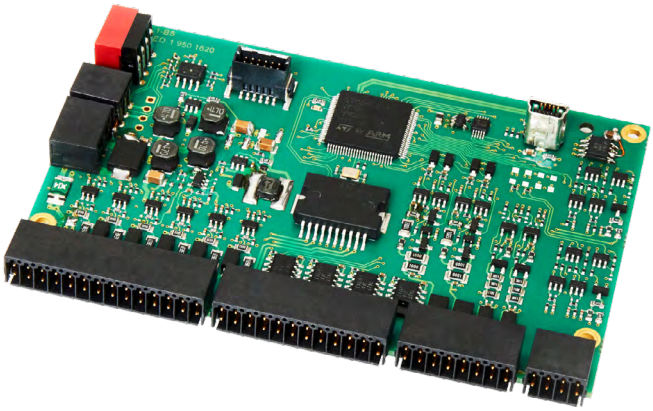
Ultra compact multifunctional I/O Module

- Compact I/O module
- Flexible connection via CAN bus
- Wide range of I/O channels
- Robust casing

kontron
The Power of IoT

Technical Information

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...+125 °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)	Stainliess steel housing 110,5 x 24,8 x 75,5 mm for mounting
	FORM FACTOR	on 35 mm mounting rail acc.to EN 60715
	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 AG is a leading IoT technology company. For more than 20 years, Kontron has been supporting companies from a wide range of industries to achieve their business goals with intelligent solutions. From automated industrial operations, smarter and safer transport to advanced communications, connectivity, medical, and energy solutions, the company delivers technologies that add value for its customers. With the acquisition of Katek SE in early 2024, Kontron significantly strengthens its portfolio with the new GreenTec division, focusing on solar energy and eMobility, and grows to around 8,000 employees in over 20 countries worldwide. Kontron is listed on the SDAX® and TecDAX® of the German Stock Exchange.

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

About Kontron Electronics

Kontron Electronics GmbH is a full-service provider in the electronics industry, offering comprehensive services in development, rapid prototyping, and manufacturing. The company's portfolio includes proprietary and customer-specific products, development and engineering services for complex electronic components, modules, and systems, as well as production and assembly services for complete assemblies. The company is part of the Kontron AG technology group.

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

Your Contact

Kontron Electronics GmbH

Max-Planck-Straße 6
72636 Frickenhausen, Germany
Tel.: +49 7022 4057-0
info@kontron-electronics.de

www.kontron-electronics.com

Global Headquarters

Kontron Europe GmbH

Gutenbergstraße 2
85737 Ismaning, Germany
Tel.: +49 821 4086-0
info@kontron.com

www.kontron.com

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