

AL CAN-IO 12/12/4/4



Automation-Line

ULTRA-COMPACT MULTIFUNCTIONAL I/O MODULE

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!

FEATURES

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

CLIENT BENEFITS

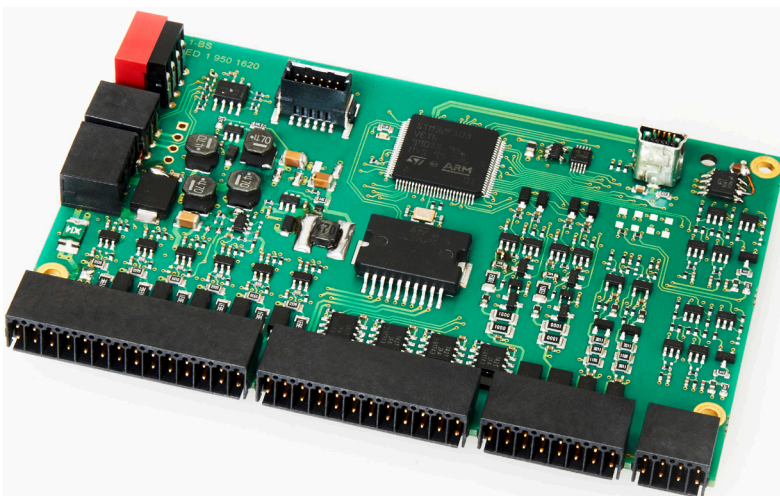
- ▶ Small, compact construction
- ▶ Flexible assembly – top-hat rail, piggyback on CPU or open frame
- ▶ Multifunctional module for a wide range of tasks
- ▶ Optional custom firmware

APPLICATIONS

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

TECHNICAL DATA

FUNCTION	STANDARD
COMMUNICATION	
CPU	CAN up to 1MBit/s
INPUTS AND OUTPUTS	
Digital Inputs	12x DIN 24V DC $\pm 15\%$ / 6mA, of which 2 inputs as 32 bit counter usable, up to 100kHz
Digital Outputs	12x DOUT 24V, of which 4x PWM, max. 24 kHz, 0,8A
Analoge Inputs	4x analog IN, 0...10V, 0...20mA, 12 bit resolution
Analoge Outputs	4x analog OUT, 0...10V, 12 bit resolution
PT100	2x PT100, 2-4 wire connector, resolution $\pm 0,5^\circ\text{C}$ from -40°C ... $+139^\circ\text{C}$
OTHER	
Power supply	24V DC $\pm 15\%$
Current consumption / power	60 mA to 5.5 A / $< 125\text{W}$ (dependent on I/O configuration)
Temperature range	0°C ... $+55^\circ\text{C}$
Humidity	95%, condensation-free
Housing dimensions (w x h x d) form factor	Stainless steel housing 110,5 x 24,8 x 75,5 mm for mounting on 35mm 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



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