



CAN
connected

CANopen

DeviceNet

FIELD MODULES



Enabled by intelligent decentralised field devices the μ CAN family leads to easy connection of distributed I/O signals.

Highly efficient electronics and versatile functionality allows to connect almost any kind of sensor to the μ CAN modules.

The modules are equipped with a high-speed CAN interface supporting CAN 2.0A and CAN 2.0B. Higher layer protocols like CANopen, DeviceNet and many customer specific protocols are available.

Robust

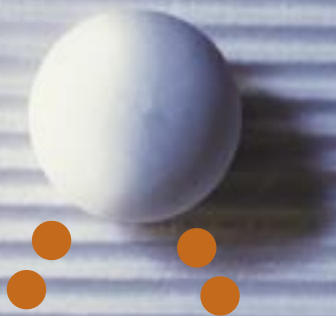
Robust construction (die-cast aluminum) allows fieldbus modules to be fitted directly to machines. Control cabinets and terminal boxes are no longer required.

Sealed

The modules meet the protection classes IP 65, IP 67 and IP 68. They are fully casted and are thus ideally prepared for use in wet, dirty and dusty working environments.



	μ CAN.1.si-BOX	μ CAN.1.ai-BOX	μ CAN.1.ti-BOX	μ CAN.1.sg-BOX
Function	Serial In	Analogue In	Temperature In	Strain Gauge In
I/O per Module	1	1	1	1
Signal Type	RS232	+/- 10V DC	Thermo J,K,L	DMS
	RS485	0(4)-20mA	Pt100	-
	-	-	Pt1000	-
Accuracy	-	0,01% of fsd	+/- 0,1K	0,1% of fsd
Resolution	-	16 Bit	16 Bit	16 Bit
Sampling Rate	-	20 ms	20 ms	20 ms
Supply Voltage	8...60V DC	8...60V DC	8...60V DC	8...60V DC
Working Temperature	-40°C...+85°C	-40°C...+85°C	-40°C...+85°C	-40°C...+85°C



DIP-switches

The use of several DIP-switches makes it easy to select module address and bitrate.

Bus Termination

Termination of CAN bus is done by a switch which is available on all of the modules.

LEDs

Status information and self-diagnosis is displayed via LEDs during operation.

Fitting

Supply of signal and fieldbus chains is significantly simplified by use of screw sets and terminal blocks. Plug connectors and customer specific solutions are also available for maximum flexibility.



μCAN.4.ai-BOX	μCAN.4.ti-BOX	μCAN.4.ao-BOX	μCAN.8.dio-BOX	μCAN.4.ci-BOX	μCAN.8.pwm-BOX
Analogue In	Temperature In	Analogue Out	Digital In/Out	Counter In	PWM Out
4	4	4	8	4	8
+/- 10V DC	Thermo J,K,L	+/- 10V DC	High-/Low-Side	1 Hz...500KHz	High-/Low-Side
0(4)-20mA	Pt100	0(4)-20mA	In: 5...60V DC	SSI	Out: 5...50V DC
-	Pt1000	-	Out: 5...50V DC	-	-
0,01% of fsd	+/- 0,1K	0,01% of fsd	-	+/- 0,1Hz	-
16 Bit / 24 Bit	16 Bit / 24 Bit	16 Bit	-	-	-
40 ms / 200 ms	40 ms / 200 ms	-	-	-	-
9...36V DC	9...36V DC	8...60V DC	8...60V DC	8...60V DC	8...60V DC
-40°C...+85°C	-40°C...+85°C	-40°C...+85°C	-40°C...+85°C	-40°C...+85°C	-40°C...+85°C

Changes without notice



Customer specific solutions

The μ CAN family supplies sufficient performance for the majority of decentralised control and regulation tasks. As a leading manufacturer of CAN bus factory-floor equipment, we feel that we also offer – besides the excellent industrial automation components – the most comprehensive suite of customer specific, cost sensitive solutions.

Test us !

Presented by:


Systemhaus für Automatisierung

Lindlaustraße 2c
53842 Troisdorf
Germany
Fon +49 2241 25659-0
Fax +49 2241 25659-11
info@microcontrol.net
www.microcontrol.net