CANextender

Intelligente Datenlogger

- Freely configurable input/output device for CAN systems
- Programmed transmission of CAN messages
- Usage of simple up to to complex conditions
- Integration of CAN data bases (DBC)
- Configuration and software update via RS232

The CANextender is a freely configurable input/output device for CAN systems to measure and control and can be used wherever analog or digital measurements are taken and needed to be transferred via CAN messages to the CAN bus.

Additionally, eight programmable switching outputs are available. The CANextender is able to auto boot and can therefore emulate control units.

Technical data	
Hardware variants:	
• CANextender AA	8 x Dig I/O 8 x differential analog input 8 x programmable LEDs 4 x analog outpu
• CANextender AT	8 x Dig I/O 8 x differential analog inputs 8 x programmable LEDs 2 x temperature sensor inputs for thermocouples type K (NiCr-Ni)
Interfaces	1 x high speed CAN interface (5 kBit/s ... 1 MBit/s) 1 x serial interface (PC, up to 115.2 kBaud)
Digital inputs	0 V ... 36 V (same ground terminal like the digital outputs)
Digital outputs	Digital switching outputs: 36 V / 0.5 A (low side) Update rate 1 ... 1.5 kHz
Analog inputs	-16 V ... +16 V, resolution 12 bit (8 mV steps), accuracy ±0.1 %
Analog outputs	0 V ... +5 V, resolution 12 bit (8 mV steps), accuracy ±0.1 %, output rate 1 ... 1.5 kHz
Temperature inputs	2 thermocouples type K inputs, measurement range -200 °C ... +1220 °C, accuracy ±3 °C
Operating voltage	+8,5 V ... +18 V
Temperature coefficient of analog inputs (max. values)	Inputs (max. values) Input resistors 15 ppm/°C Amplifier offset error 3 µV/°C Amplifier gain error 10 ppm/°C ADC offset error 0 V ADC gain error 0.8 ppm/°C Reference voltage error 20 ppm/°C
Current consumption at 12 V:	Typ. 250 mA
Operating temperature range	-40 °C ... +70 °C

Housing	
Material	Extruded sheath: Al Mg Si 0,5 powder-coated Die casting cover: GD Al Si 12 powder-coated
Dimensions (LxWxH)	185 x 105 x 35 mm
Weight	~ 400 g

Discover our products online!

G.i.N. GmbH | www.gin.de | sales@gin.de | Tel. +49 6155 8259 - 0