

# ICAN.2

## Communication Module for SMT Systems for Integrating Signal-Based CAN Networks

The ICAN.2 is a 2-channel interface module for acquiring and stimulating CAN signals. It is used both for recording bus communication and for residual bus simulations.



### Interface

The two CAN nodes of the module are galvanically isolated from one another and from the system. Each node has an integrated bus termination that can also be connected if required. In addition, the CAN buses are each led through via two ports. This makes it easier, for example, to connect additional participants, such as classic monitoring tools.

### Parameterization

The ICAN.2 is configured using the DBC file of the connected network. Once imported into the system software PEA, the signals to be acquired can be selected to be included in the current measuring sequence.

### Data

The module supports up to 160 freely usable measurement and output channels. The total number of supported signals can be spread over the two CAN nodes as required.

### SMT - More Than Measuring

The Softing Measurement Technology combines sophisticated measurement technology with signal generation, communication, computing power and memory depth. The unique module concept enables optimal adaptation to the individual application. Apart from standard measurements, SMT is also used in control and regulation, process monitoring and automation, real-time simulation and data logging.

softing

PEA

SMT

μ Series

### AREAS OF APPLICATION

- Acquisition of ECU signals (measured values, status information, etc.)
- Output of measured values to CAN, incl. for sensor simulations or linking external dataloggers
- Residual bus simulation
- Control of SMT functions via CAN

### ADVANTAGES

- Combined acquisition of ECU signals and physical measured values
- Simple installation with point-to-point connections

Data Sheet

## Technical Data

General	
Number of nodes	2
Number of signals	≤160 measurement and stimuli channels per module
Data rate	1 SPS ... 1 kSPS online, can be set per module
Nodes	
Bit rate	100 kBit/s, 125 kBit/s, 250 kBit/s, 500 kBit/s, 1 MBit/s
Termination	120 Ω, can be connected
Galvanic isolation	Per node
Environmental conditions	
Storage	-30 °C ... +85 °C, 10 % ... 90 % rel. humidity, non-condensing
Use	-30 °C ... +70 °C, 10 % ... 90 % rel. humidity, non-condensing

## Order Numbers

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