

# CANnect CAN FD-Extension

CAN FD EXTENSION MODULE FOR CANNECT GATEWAY



CANWAY's CANnect CAN FD-Extension is an extension module for the High Performance Gateway CANnect for CAN and LIN. Following the original and popular CANnect's principles, the module is based on state of the art technology. The device provides several features for advanced operation.

The CAN FD interfaces, with full support of the common protocol standard ISO 11898, is one of the main features of the module. All signals are configured and accessed via the well-known configuration software CW-921. This allows e.g. an Assignment to CAN and LIN signals or operation within calculation methods.

Typical applications are for example stimulating different test objects in testbenches or integrating new ECUs and sensors, in an existing car's network. Also, the entire system provides extensive capabilities for generating signals and messages, including bus protocols, in order to simulate ECU prototypes. After a configuration has been downloaded to the CANnect Gateway, the device operates stand-alone and in real-time. And it has still got resources left for implementing custom features for your particular application!

## FEATURES

- Supported bus systems:  
4 x CAN FD
- Common CAN FD standard
- Simulation of ECUs and sensors
- Operates in cooperation with the High Performance Gateway CANnect
- Stand-alone operation in real-time, once the device is configured
- Robust aluminium case
- Full integration to the user-friendly CANnect Configuration Software Environment

## CAN FD INTERFACE

Quantity	4, galvanic isolated up to 1 kV
Type	CAN FD ISO 11898-1:2015 CAN protocol versions 2.0 A and 2.0 B
Bitrate	up to 8 Mbit/s*, software-configurable
Termination	software-configurable independently for each bus

## POWER SUPPLY

Supply voltage	9 to 36 VDC
Current consumption	approx. 300 mA at 9 VDC

## ENVIRONMENTAL CONDITIONS

Temperature range operation	-20 °C to +60 °C
Temperature range storage	-20 °C to +70 °C
Relative humidity	35 % to 85 %, non-condensing
Protection class	IP 40

## GENERAL INFORMATION

Housing	robust aluminium case
Dimension (LxWxH)	140 mm x 87 mm x 54 mm
Connectors	50 pol. D-Sub (female connector) cable available as an accessory customer-specific cables on request
Additional options	DIN hat rail mounting on request

## OTHER DEVICES OF THE CW-100 SERIES

CW-101 CAN-USB-Interface	CW-131 Optical Transmission for FlexRay™, CAN and LIN
CW-102 CAN-Ethernet-Interface	CW-140 Programmable Interface for CAN and LIN
CW-106 CANswitch FD	CW-141 Analyzer for CAN and CCP
CW-121 CANnect Gateway for CAN and LIN	

\*Specification of the physical bus data rate. The total processable data throughput may be lower depending on the number of channels, messages and signals used, the bus load and the complexity of the configured data processing.