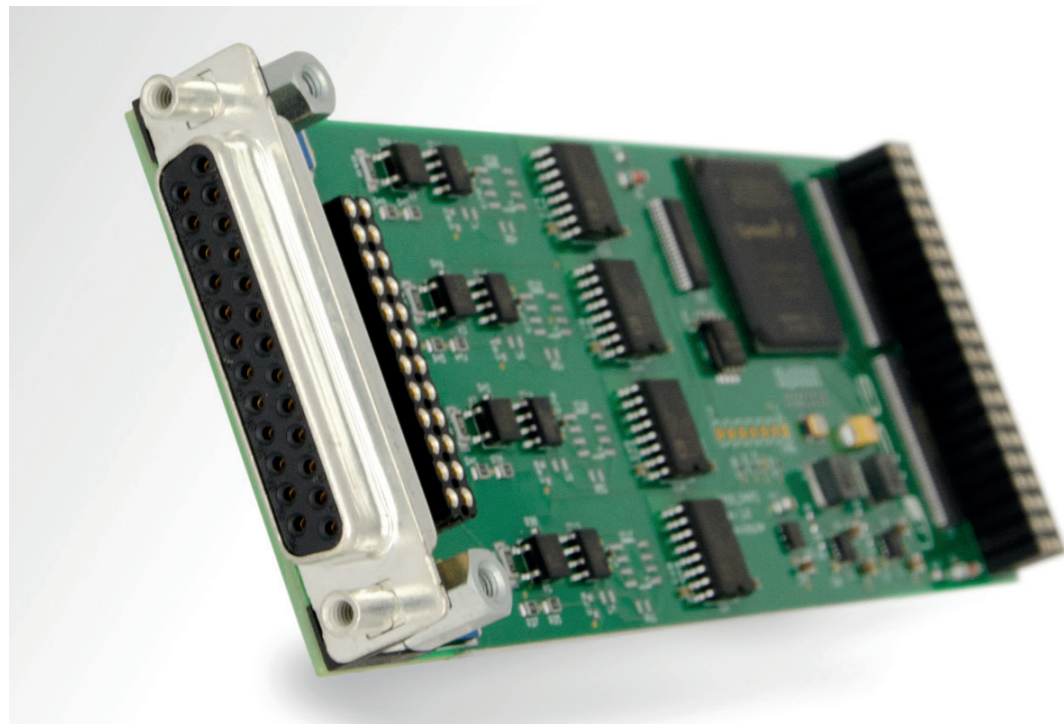


## M410 – CAN/CAN FD Communication Interface



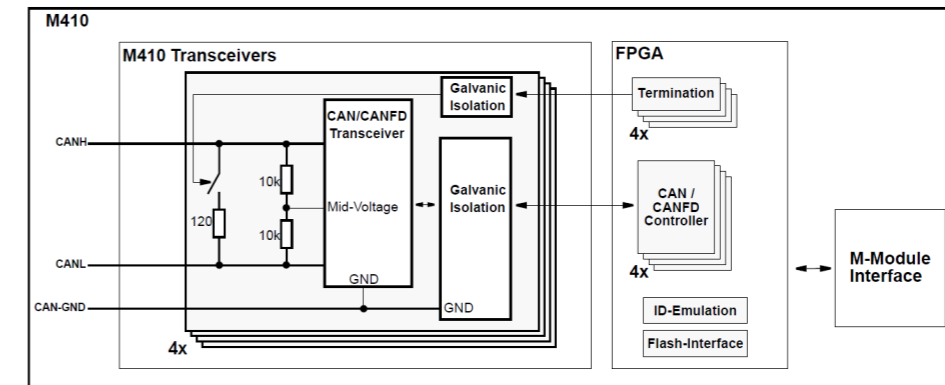
### Features

- 4 galvanically isolated CAN / CAN FD channels
- High Bandwidth: Data rate up to 12Mbps in CAN FD Mode
- Support of ISO CAN FD specification as well as Bosch CAN FD specification (switchable)
- CAN 2.0A / 2.0B Features
  - Standard or Extended Identifier
  - Remote Frames
  - Up to 8 Byte Data
  - Error Handling conforming to CAN specification
- Additional CAN FD 1.0 Features
  - Up to 64 Byte Data with CAN FD
  - Flexible Data rate
- Option: Also available as single wire CAN module,
- Pin compatible replacement for MEN M51
- 32 Bit Interface (better access times than with M51)

### Use Cases

- Communicating with CAN FD nodes with up to 64 data byte messages
- Providing basic CAN bus communication in automotive test systems
- Monitoring CAN bus activity for

### Block Diagram



### Technical Data

Output channels	4 independant galvanically isolated CAN/CANFD channels
Supported protocols	<ul style="list-style-type: none"> <li>• CAN 2.0A</li> <li>• CAN 2.0B</li> <li>• CANFD 1.0, Bosch standard</li> <li>• CANFD 1.0, ISO standard</li> </ul>
Receive buffer size	4kByte
Transmit buffer size	4kByte
Data rate CAN	up to 1MBaud
Date rate CANFD	<ul style="list-style-type: none"> <li>• Arbitration: up to 1MBaud</li> <li>• Data: up to 12MBaud</li> </ul>
Overvoltage protection	-58V to +58V
Supply current	<ul style="list-style-type: none"> <li>• 5V / 500mA</li> <li>• 12V / 200mA</li> </ul>
Address space needed	A08 and A24
Connectors	25 pin SUBD receptacle connector , female

### Order Information

Order Number	IO-M410
--------------	---------

### Alternatives

M51	For basic CAN communication
M414	For SENT communication interfaces