

CAN-CBX-COM2

CANopen® Module with Two Serial Interfaces



Communication with two Serial Interfaces into a CANopen Network

- Configuration of serial physical interfaces via piggybacks
- 2x RS-232 or optional 1x RS-232 and 1x RS-485 serial interfaces
- ARM7 Microcontroller

User Friendly CANopen Module with Solid InRailBus Technology

- InRailBus technology combines high ease of use and proven reliability
- CANopen CiA® 301 support

Configuration of Serial Interfaces

- Serial Communication Parameters can be configured in a flexible range



Serial Interface

Two serial interfaces can be connect to a CAN net.

In the standard version the physical layers are realized as two RS-232 interfaces. Instead of the driver for RS-232 interfaces, the module can be equipped with piggybacks for RS-422, RS-485 or TTY-active/passive interfaces.

CAN Interface

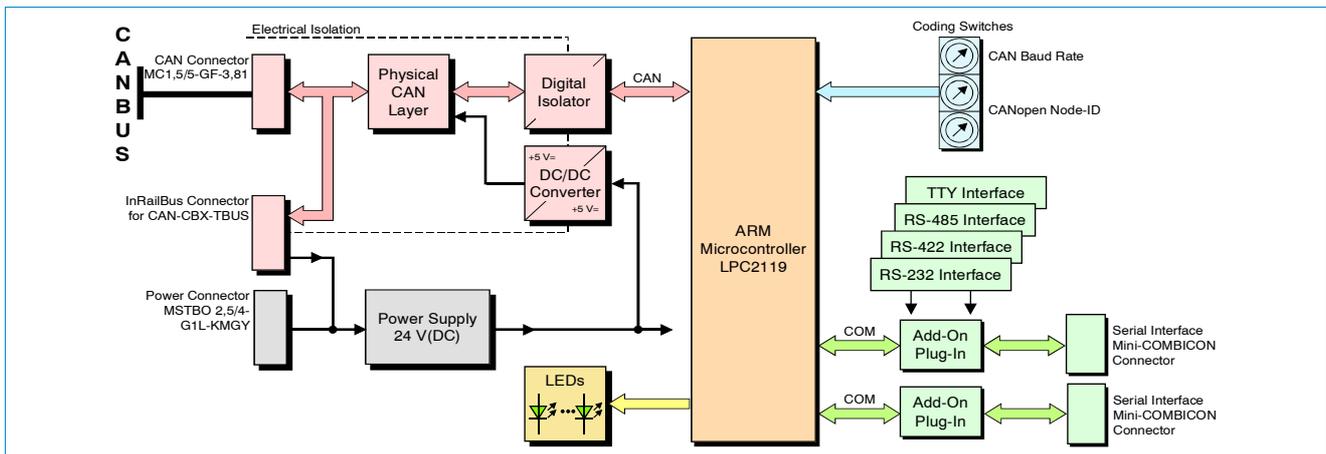
The CAN interface is designed according to ISO 11898-2 high-speed layer with electrical isolation and supports bit rates up to 1 Mbit/s. The CANopen-node number and the CAN bit rate can be easily set via coding switches.

InRailBus

The CAN-CBX-COM2 features the possibility to connect the power supply and the CAN bus signals via the InRailBus connector (TBUS-connector) integrated in the mounting rail. Individual modules can then be removed from the InRailBus without interrupting the bus signals.

Software Support

The module comes with CANopen firmware according to CiA 301 and CiA DSP 302.



Technical Specifications:

| Microcontroller and CAN Interface: | |
|------------------------------------|---|
| CPU | LPC2119, 32-bit |
| CAN interface | High-speed, ISO 11898-2, electrically isolated, up to 1 Mbit/s |
| Connector | 1x, 5-pin COMBICON style 1x InRailBus |
| Serial Interface: | |
| Number | 2, independently configurable |
| Interface | Standard: 2x RS-232 Optional: 1x RS-232 and 1x RS-485 or RS-422, RS-485 or TTY-active/passive |
| Connector | 2x 7-pin Mini-COMBICON connector |

| General: | |
|---------------------|---|
| Nominal Voltage | 24 V/DC |
| Nominal Current | 30 mA @ 24 V |
| Ambient temperature | 0 °C ... +60 °C |
| Relative humidity | Max. 90 % (non-condensing) |
| Dimensions | 22.5 mm x 99 mm x 114.5 mm |
| Housing | Plastic housing (ME MAX) for carrier rail mounting NS 35/7,5 DIN EN 60715 |
| Weight | Approx. 135 g |

| Order Information: | | |
|--------------------|---------------------------|-----------|
| Hardware | | Order No. |
| CAN-CBX-COM2 | CBX module with 2x RS-232 | C.3055.02 |

For detailed information about availability of the optional serial interfaces please contact our sales team.