

hipecs GW30 CANopen gateway



The module **hipecs- GW30** is a very compact and powerful **CANopen / RS232 gateway**. This module gives the possibility to integrate devices with RS232 interface into CANopen networks very easily. The gateway uses a simple serial data stream and directly converts this into the CANopen protocol. For the serial interface based device, the protocol is completely transparent, there is no special gateway protocol overhead needed. This feature guarantees, that already existing hardware may be connected to CAN networks as well as new components. The serial communication parameters may be set from CAN bus side. The gateway supports baud rates up to 460,800 baud. The free programmable prescaler supports unusual baud rates as well as the standards.

Additionally 2 digital inputs and 1 digital output for 24V are implemented. These may be used for handshake or general purposes. The RS232 interface and the I/ Os are isolated from CPU and CAN bus line.

system

- supply voltage 11 .. 32V DC (typ. 24V DC)
- cable cross section 0.08 .. 1,5 sqmm (AWG28 .. AWG14)
- temperature range 0 .. 55°C / -40 .. 70°C
- plastic housing for DIN rail mounting
- measurements ca. (LxBxH) 18 x 90 x 62 mm

interface

- RS232 interface
- TX buffer size 1 kByte
- RX buffer size 2 kByte
- Various baurates from 2400 to 460800 baud
- galvanic isolated

digital inputs

- 2 inputs (24V)
- galvanic isolated

digital outputs

- **1 output** (24V) highside swichting
- max. output current @25°C: **1,0A**
- peak output current **3,0 A** (max. 1 sec)
- **short circuit** protected
- galvanic isolated

CANopen

- **1 CAN- Bus according to ISO11898**
- CAN- Baudraten adjustable up to **1 Mbit**
- node number adjustable from **1 .. 127**
- CANopen draft standard DS301 V4.0 / DS401 V2.1
- CANopen diagnosis **LEDs**
- 4 receive / 4 transmit **PDOs**
- 1 SDO server
- PDO event timer
- PDO inhibit timer
- PDO transmit modes: event triggered, synchronous, asynchronous, cyclic, anticyclic, remote frame
- variable PDO identifier
- dynamic PDO mapping
- emergency
- nodeguarding/ lifeguarding/ heartbeat
- EDS file

downloads

 [datasheet](#)
 [EDS- file](#)

ordering information

article number	article	housing	temperature range (°C)	galvanic isolation
EZ00000.2410.01	hipecs- GW30- i	plastic	0.. +55	yes
EZ00000.2411.01	hipecs- GW30- ie	plastic	-40.. +70	yes