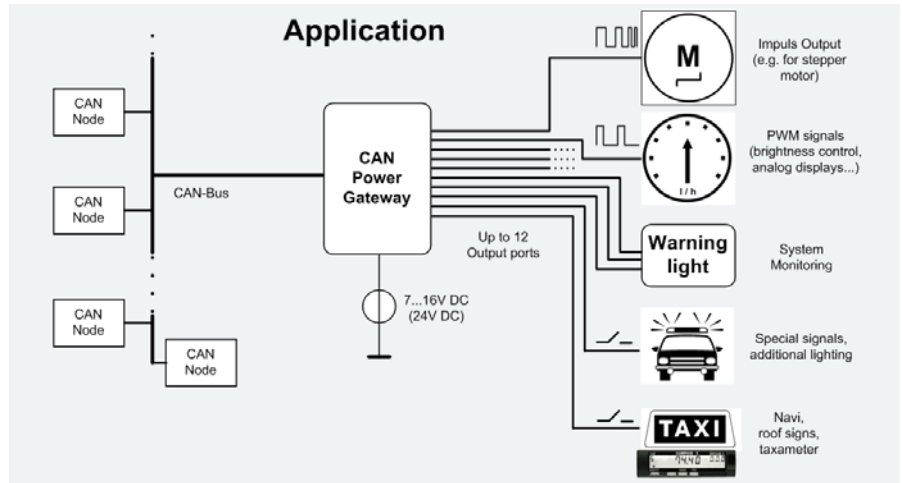


## CAN-Power-Gateway-PRO



### Product Overview:

The CAN-Power-Gateway-PRO is a control device linking conventionally controlled devices and actors with a CAN bus. It has 12 high-performance outputs which can be controlled by any CAN bus messages. The outputs are freely configurable, enabling special applications for automotive and industrial technology - even those for which proprietary solutions are as yet unavailable - to be realized easily. Because the device has an E1 type approval it is beside industrial control solutions especially useable for automotive applications.

### Functionality

The „CAN-Power-Gateway-PRO“ provides 12 powerful outputs. By the hand of the user configurable assignment of the 12 power outputs to each definable CAN messages the gateway is scale able for any application. Alternatively, up to 6 connections can be configured as a PWM output and a further connection as a pulsed output for quasi-analogue signals (e.g. speed or route signals). The RS232 interface permits configuration to be performed easily on a PC and enables serial use settings to be read / copied.

### Customer specific version

Depending on the customer's request the CAN-Power-Gateway-PRO“ is also available as a fixed coded CAN control unit for batch productions with special price conditions. This allows cost-efficient solutions for making products like additional lighting, gauges etc. controlable by CAN-Bus.

### Highlights:

#### General

- Plug-and-play setup on CAN bus
- 12 independent configurable outputs to switch by any defineable CAN-message (Low-Side-driver)
- Data protocol CAN (High / Low Speed)
- Protection against undervoltage and overvoltage customary in vehicles
- Short-circuit-proof and reverse polarity protected
- Compact dimensions and low weight
- Minimum standby current drain
- Automatic power down and wake-up function
- Developed and produced in Germany
- E1 type approval

#### Application examples:

- CAN connection of vehicle accessories
- Development tool for CAN based systems
- CAN signal outputs in industrial plants

#### Configuration options:

- Extensive configuration options easy to use by PC software via RS232 (COM-Port) or via RS232-USB-converter
- Any CAN message can be easily linked to one of the 12 output pins
- Up to 6 outputs can be configured as PWM channel (e.g. for analog gauges)
- One output is configureable as pulse output (e.g. for wheel pulse output)
- 2 outputs can also be configured as High-Side-driver
- Quick save&copy of a configuration setup for series application

- Retrofit solutions to control actors by CAN-Bus
- relay or lamps direct control by modul outputs for control systems, education and laboratories
- Impuls output for stepper driver



# CAN-Power-Gateway-PRO configuration

RS232

# CAN-Power-Gateway-PRO application

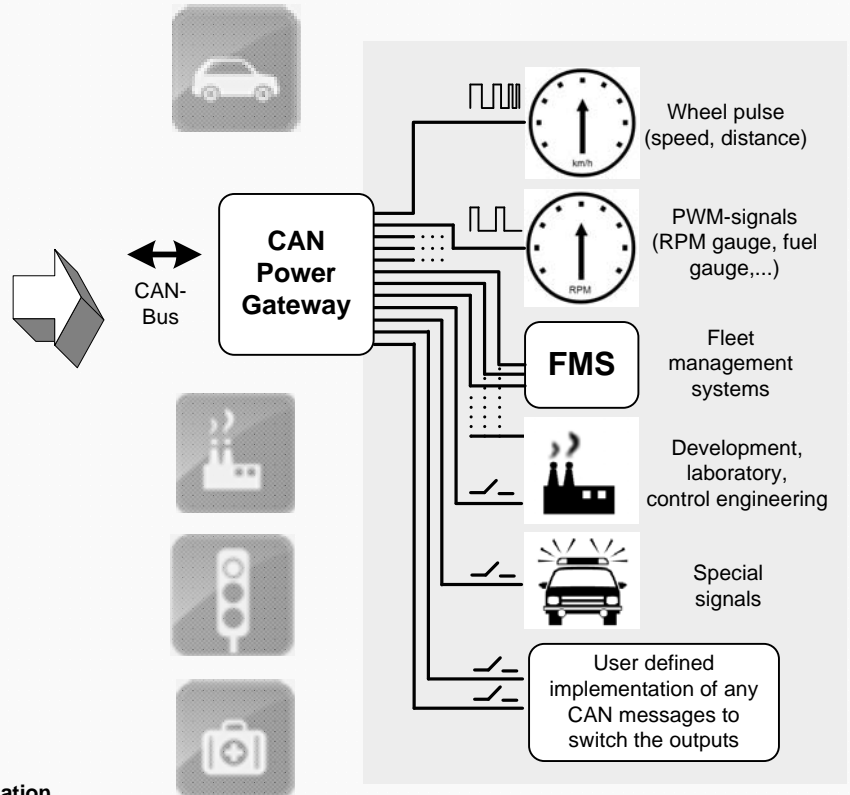
**Plug & Play**



The universal CAN control unit for

- Automotive
- Traffic technology
- Industry
- Medical technology

converts any switch application to a CAN-application



## Technical data:

Power supply (Input Voltage): 7...16V DC (24V DC)  
 Protection (all inputs / outputs): Overvoltage-, overload- and reverse polarity protected  
 Power consumption: < 0,4 W (Normal run without load)  
 < 2,5 mW (Standby)  
 CAN-Baudrate: up to 1 Mbaud (Std. / Ext. ID)  
 Dimensions (L\*W\*H) ca.: 66 \* 56 \* 20 [mm]  
 Weight: ca. 33g  
 Temperature range: -40°C .... +85°C  
 Outputs: 2 x HS/LS (2 x PWM)  
 10 x LS\* (4 x PWM, 1 x pulse)

\*LS Outputs with additional activateable pullup resistors

LS = Low Side (switch to GND), HS = High Side (switch to Ubatt)

## PWM-outputs:

Frequenz: 2Hz – 20kHz  
 Resolution: better 0,1%  
 Pulse output: 0 – 20kHz  
 Output current: 0,2A (Low Side Treiber, typical)  
 0,2A (High Side Treiber, typical)

## Derivatives:

Fix configured standard version  
 Free configurable PRO-version  
 Customer specific versions on request

## Shipment:

CAN-Power-Gateway-PRO  
 plugs / Crimpkontakte / Software

