CANpro USB

High Speed USB to CAN Interface Card for Mobile Use

- Top performing and fast access to CAN / CANopen networks
- Suitable for a wide variety of CAN and CANopen applications
- Integration of applications like control, measurement, configuration and analysis tasks

High data throughput resulting in short response time
- Single channel CAN interface card with USB 2.0 high speed connector
- Processor and speed-optimized firmware designed for 100% bus load at 1 Mbit/s
- High data throughput and very short response times of 100 µs to 500 µs
- Suitable for running wide variety of applications, including time-critical ones
- Time stamp for CAN messages (1µs resolution, ±10µs Jitter)
- Easy-to-use
- USB and CAN status shown by LEDs
- Easy installation by simply connecting USB cable to PC and D-Sub connector to CAN network
- No power supply required

Suitable for in-house or mobile usage
- Small but robust metal housing suited for everyday use
- Heavy duty version offering extensive temperature range (-20°C ... 70°C) and lockable USB cable connector with special mounting kit for fixing to PC, ideal for mobile use in harsh industrial environments

Comprehensive functionality supporting a wide variety of use cases
- Easy integration into CAN applications
- Numerous free-of-charge programming interfaces:
  - CAN C-API supporting various operating modes (FIFO and Object Buffer)
  - CAN.NET API
  - CANopen client API

optimize! softing
## CANpro USB

### Technical Data

<table>
<thead>
<tr>
<th>CAN protocol and available APIs</th>
<th>CAN V2.0 (11/29 Bit-IDs)</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>CAN API</td>
</tr>
<tr>
<td></td>
<td>CANopen Client API</td>
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</tbody>
</table>

### Bus Connection

<table>
<thead>
<tr>
<th>Connector</th>
<th>9-pin D-sub male</th>
</tr>
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<tbody>
<tr>
<td>Galvanically isolated</td>
<td>Yes</td>
</tr>
<tr>
<td>Physical layer</td>
<td>ISO 11898-2 (CAN High Speed)</td>
</tr>
</tbody>
</table>

### PC Interface

USB 2.0 High Speed, 480 Mbit/s

### Indicators

<table>
<thead>
<tr>
<th>USB LED</th>
<th>CAN LED</th>
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<tbody>
<tr>
<td>USB status</td>
<td>CAN status</td>
</tr>
</tbody>
</table>

### Operation Temperature

0 °C ... +55 °C (standard version) / -20 °C ... +70 °C (heavy duty version)

### Storage Temperature

-20 °C ... +70 °C (standard version) / -20 °C ... +70 °C (heavy duty version)

### Relative Humidity

< 90 %, non-condensing

### Dimensions

74 mm x 55 mm x 26 mm

### Power Supply

<table>
<thead>
<tr>
<th>Supply Voltage</th>
<th>5 VDC (±5 %) via USB connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Consumption</td>
<td>Typically 200 mA</td>
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</table>

### Drivers Available for

Windows XP, Windows 7, Windows 8, Windows 10, Linux

### Conformity

CE, FCC, Radyne

### Scope of Delivery

<table>
<thead>
<tr>
<th>Hardware (Standard Version)</th>
<th>CANpro USB (standard version), USB cable</th>
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<tbody>
<tr>
<td>Hardware (Heavy Duty Version)</td>
<td>CANpro USB (heavy duty version), lockable USB cable with cable connector and mounting kit</td>
</tr>
<tr>
<td>Software</td>
<td>Drivers, APIs, sample programs on CD-ROM</td>
</tr>
<tr>
<td>Documentation</td>
<td>Manual on CD-ROM</td>
</tr>
</tbody>
</table>

### Order Numbers

- DUL-OO-012410 CANpro USB (standard version)
- DUL-OO-012411 CANpro USB (heavy duty version)