UniCAN Accessories
for CSM data loggers
CSM UniCAN Accessories

A wide range of accessories is available for CSM measurement modules and data loggers, such as the USB to CAN interface CSMcan, system and signal cables, plugs, sockets, mounting material, antennas, as well as memory cards.

This document provides an overview on accessories for CSM’s UniCAN data loggers. Further accessory datasheets are available for ECAT measurement modules, CAN measurement modules and exhaust measurement technology.

UniCAN cables are designed to be used in combination with UniCAN data loggers, to connect a logger to power supply, to adapt CAN interfaces to standard plugs and for service purposes. They are robust, flexible, chemical-resistant and highly immune to interference. The antennas for UniCAN are specifically designed for operation with the optionally built-in modem or GPS receiver.

Do you have special wishes and requirements? Please do not hesitate to contact us.
Power Cables

Power Cable LEMO / Banana
K200-0200
Power cable for UniCAN 2 data logger

Connectors
A Plug LEMO 0B 5-pole code G
B 3 × banana plug

ART0650050  K200-0200  Length: 2 m

Power Cable LEMO / open
K206-0100
Power cable for UniCAN 2 data logger

Connectors
A Plug LEMO 0B 5-pole code G
B open cable end

ART0650056  K206-0100  Length: 1 m

Power Cable LEMO / open
K212-0100
Power cable for UniCAN 3 data logger

Connectors
A Plug LEMO 0B 7-pole code B
B open cable end

ART1440200  K212-0100  Length: 1 m
Adapter Cables

**Ethernet Adapter Cable**

K213-0025

Ethernet adapter cable for UniCAN 3 data logger, cable length up to the RJ45 plug is 1.5 m (power supply via additional Power Cable necessary)

**Connectors**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Plug</td>
<td>LEMO 0B 7-pole code B</td>
</tr>
<tr>
<td>B</td>
<td>Socket</td>
<td>LEMO 0B 7-pole code B</td>
</tr>
<tr>
<td>C</td>
<td>Plug</td>
<td>RJ45 8-pole</td>
</tr>
</tbody>
</table>

ART1430300  K213-0025  Length: 0.25 m

**Splitter Cable 4-CAN**

K201-0040

Cable for UniCAN 2 and UniCAN 3 data loggers for splitting a CAN connector into four D-SUB9 connectors

**Connectors**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Plug</td>
<td>D-SUB 15-pole</td>
</tr>
<tr>
<td>B</td>
<td>4 × Plug</td>
<td>D-SUB 9-pole</td>
</tr>
</tbody>
</table>

ART0650051  K201-0040  Length: 0.4 m

**Splitter Cable 2-CAN HS**

K211-0040

Cable for UniCAN 2 and UniCAN 3 data loggers with two CAN high-speed interfaces for splitting into two D-SUB9 connectors

**Connectors**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Plug</td>
<td>D-SUB 15-pole</td>
</tr>
<tr>
<td>B</td>
<td>2 × Plug</td>
<td>D-SUB 9-pole</td>
</tr>
</tbody>
</table>

ART1160401  K211-0040  Length: 0.4 m
**Dig I/O Cable**

K204-0120

Signal cable for UniCAN 2 and UniCAN 3 data loggers for connection to Dig I/O

**Connectors**

A Plug LEMO OB 7-pole code A
B open cable end

ART0650054  K204-0120  Length: 1.2 m

**OBD2 Adapter Cable**

CARB, DS 9p

Adapter cable for connection of a UniCAN 2 or UniCAN 3 data logger (via Splitter Cable CAN) to the vehicle's diagnostic socket

**Connectors**

A Plug CARB
B Socket D-SUB 9-pole

ART5440100  OBD2  Length: 2 m

**Connection Cable LEMO OB / RS232 PC**

K203-0100

Connection cable between UniCAN 2 data logger and a serial PC interface

**Connectors**

A Plug LEMO OB 7-pole code A
B Socket D-SUB 9-pole

ART0650053  K203-0100  Length: 1 m
USB Cables

USB Cable 0200
for UniCAN 2
USB-to-USB adapter cable for configuration and for reading out data from a UniCAN 2 data logger using a USB-enabled PC

Connectors
A USB type-B
B USB type-A

ART0020389 Length: 2 m

MicroUSB Cable 0200
for UniCAN 3
MicroUSB-to-USB adapter cable for configuration and for reading out data from a UniCAN 3 data logger using a USB-enabled PC

Connectors
A MicroUSB
B USB type-A

ART1450300 Length: 2 m

Cables and Plugs for UniCAN 2 DCH

Programming Cable 29-pin
K230-0100
Cable harness for initial operation and configuration of a UniCAN 2 data logger in die-cast housing (DCH)

Connectors
A Plug TYCO 29-pole
B 4 × Plug D-SUB 9-pole
C cable end open (Dig I/O)
D 3 × banana plug (Power)
E USB type-A

ART1450200 K230-0100 Length: 1 m

DCH Plug
DCH Plug 29-pin
29-pole plug for customized cable assembly designed for UniCAN 2 data logger in die-cast housing (DCH) code N, left

ART1460600 DCH Plug
### GPS Antennas

**UniCAN 2 GPS Magnet Antenna**

SMA

Antenna for UniCAN 2 data logger with integrated magnet for simple and fast mounting

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency</strong></td>
<td>1575.42 MHz, circularly polarized, clockwise</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>2.7 - 5 V typ. 25 mA / max. 30 mA</td>
</tr>
<tr>
<td><strong>Connection</strong></td>
<td>SMA Plug</td>
</tr>
<tr>
<td><strong>Dimensions (Ø × H)</strong></td>
<td>approx. 68 × 14 mm</td>
</tr>
<tr>
<td><strong>Operating temperature range</strong></td>
<td>-40 °C to +85 °C</td>
</tr>
</tbody>
</table>

ART0650001 Length: 3 m

### UMTS Antennas

**UniCAN 2 UMTS Fixable Antenna**

FME

Self-adhesive patch antenna for UniCAN 2 data logger for fast mounting on flat surfaces and glass (suitable for inner pane mounting)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency</strong></td>
<td>900, 1800, 1900, 2100 MHz</td>
</tr>
<tr>
<td><strong>Max. power</strong></td>
<td>10 W</td>
</tr>
<tr>
<td><strong>Connection</strong></td>
<td>FME Socket</td>
</tr>
<tr>
<td><strong>Dimensions (Ø × H)</strong></td>
<td>approx. 53 × 8 mm</td>
</tr>
<tr>
<td><strong>Operating temperature range</strong></td>
<td>-40 °C to +70 °C</td>
</tr>
</tbody>
</table>

ART0650009 Length: 3 m

**UniCAN 2 UMTS Magnet Antenna**

FME

Antenna for UniCAN 2 data logger with integrated magnet for roof installation

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency</strong></td>
<td>900, 1800, 1900, 2100 MHz, vertically polarized</td>
</tr>
<tr>
<td><strong>Max. power</strong></td>
<td>20 W</td>
</tr>
<tr>
<td><strong>Connection</strong></td>
<td>FME Socket</td>
</tr>
<tr>
<td><strong>Dimensions (H)</strong></td>
<td>approx. 88 mm</td>
</tr>
<tr>
<td><strong>Operating temperature range</strong></td>
<td>-40 °C to +80 °C</td>
</tr>
</tbody>
</table>

ART0650002 Length: 2.5 m
**UniCAN 2 UMTS / GPS Antenna**

RI, FME, SMA, M16

Antenna for **UniCAN 2** data logger for mechanical roof installation

<table>
<thead>
<tr>
<th></th>
<th>GSM / UMTS (A)</th>
<th>GPS (B)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency</strong></td>
<td>850, 900, 1800, 1900, 2100 MHz</td>
<td>1575 - 1609 MHz, circularly polarized, clockwise</td>
</tr>
<tr>
<td><strong>Max. power</strong></td>
<td>10 W</td>
<td></td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>2.7 - 5 V</td>
<td>2.7 - 5 V typ. 25 mA / max. 30 mA</td>
</tr>
<tr>
<td><strong>Connection</strong></td>
<td>FME Socket</td>
<td>SMA Plug</td>
</tr>
</tbody>
</table>

**Dimensions (Ø × H)** approx. 76 × 23 mm

**Operating temperature range** -40 °C to +85 °C

ART0650004 Length: 3 m

ART0650007 Length: 7 m

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**UniCAN 2 UMTS / GPS Fixable Antenna**

FME, SMA

Antenna for **UniCAN 2** data logger with adhesive pad for fast mounting on flat surfaces and glass

<table>
<thead>
<tr>
<th></th>
<th>GSM / UMTS (A)</th>
<th>GPS (B)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency</strong></td>
<td>698 - 960, 1710 - 2700 MHz</td>
<td>1562 - 1612 MHz, circularly polarized, clockwise</td>
</tr>
<tr>
<td><strong>Max. power</strong></td>
<td>20 W</td>
<td></td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>3 - 5 V typ. 15 mA</td>
<td></td>
</tr>
<tr>
<td><strong>Connection</strong></td>
<td>FME Socket</td>
<td>SMA Plug</td>
</tr>
</tbody>
</table>

**Dimensions (Ø × H)** approx. 69 × 15 mm

**Operating temperature range** -30 °C to +70 °C

ART6300000 Length: 3 m
### UniCAN 3 UMTS / GPS Fixable Antenna

**FAKRA D, FAKRA C**

Antenna for **UniCAN 3** data logger with adhesive pad for fast mounting on flat surfaces and glass

<table>
<thead>
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<tr>
<td><strong>Frequency</strong></td>
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<tr>
<td><strong>Power supply</strong></td>
<td>3 - 5 V</td>
<td>typ. 15 mA</td>
</tr>
<tr>
<td><strong>Connection</strong></td>
<td>FAKRA D Socket</td>
<td>FAKRA C Socket</td>
</tr>
<tr>
<td><strong>Dimensions (Ø × H)</strong></td>
<td>approx. 69 × 15 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Operating temperature range</strong></td>
<td>-30 °C to +70 °C</td>
<td></td>
</tr>
</tbody>
</table>

**ART6310000**

Length: 3 m

### UniCAN 2 UMTS / GPS Antenna

**RI, SMA, SMA, IP69K, M16**

Antenna for **UniCAN 2** data logger in die-cast housing (DCH) for mechanical roof installation

<table>
<thead>
<tr>
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<td>2.7 - 5 V</td>
<td>typ. 25 mA / max. 30 mA</td>
</tr>
<tr>
<td><strong>Connection</strong></td>
<td>SMA Plug</td>
<td>SMA Plug</td>
</tr>
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<td><strong>Dimensions (Ø × H)</strong></td>
<td>approx. 76 × 23 mm</td>
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<tr>
<td><strong>Operating temperature range</strong></td>
<td>-40 °C to +85 °C</td>
<td></td>
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</table>

**ART1470100**

Length: 3 m
Storage Media

CF Cards

UniCAN CF DataCard
Robust CF memory cards in metal housing (industrial quality) for the operation of UniCAN data loggers with an operating temperature range of -40 °C to +85 °C

| ART1160805 | 2 GB |
| ART1160806 | 4 GB |
| ART1160807 | 8 GB |
| ART1160801 | 16 GB |
| ART1160800 | 32 GB |
| ART1160802 | 64 GB |

Products and Data: All Information at a Glance
Get all information on CSM measurement modules and data loggers on our website www.csm.de. Make use of our solutions for the development and testing of cars, construction and agricultural machinery, cranes, commercial vehicles, trains, aircraft, boats, wind turbines, etc.

- Product Portfolio - Overview
- Examples of application
- The latest CSM software versions available as downloads
- Fast access to all datasheets and product information

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Turkey

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China
India
Japan
Korea

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