miunske

WIRELESS ACCESS TO ALL CAN BUS DATA

WLAN-INTERFACE

miunske-app

OPERATION & DIAGNOSIS OF FUNCTIONS

- INCREASED SECURITY
- INCREASED ECONOMIC EFFICIENCY
- SOFTWARE & HARDWARE FROM ONE SOURCE

ELECTRONICS FOR COMMERCIAL & SPECIAL VEHICLES

CAN WLAN-INTERFACE

The WLAN-interface enables fast and wireless access to all CAN bus data. This simplifies the diagnosis and monitoring of vehicle electronics. Time-critical commissioning and test processes, such as **end-of-line tests**, can be carried out **much faster and with only one person**. Another advantage: **more functions can be integrated into your vehicle**. Because these are now operated conveniently via app and do not require an additional switch surface in the cockpit.

PRODUCT BENEFITS

FAST AND WIRELESS ACCESS TO ALL CAN-BUS DATA
- enables simplified diagnosis and monitoring of vehicle electronics and faster adjustment of functionally relevant parameters
- functional tests can be performed with significantly less effort

SIMPLE EXPANSION OF OPERATING FUNCTIONS
- switching and display functions can be implemented via app - redundant to hardware components or purely virtual
- in addition to the availability of operating functions outside the vehicle cabin, this functionality offers the possibility of design optimization

INCREASED ECONOMIC EFFICIENCY
- simplifies workflows for vehicle testing on test benches
- end-of-line test can be realised with only one person

FASTER RESPONSE TIMES DUE TO DATA LOGGING
- CAN bus data is recorded in the app and is therefore quickly available at any time
- this requires less coordination between user - service partner - manufacturer for maintenance, fault diagnosis or repair

SOFTWARE AND HARDWARE FROM ONE SOURCE

STANDARDIZED DATA SECURITY
- WPA2 with CCMP and via CAN standard

THE CAN WLAN-INTERFACE ENABLES

- **integration of WLAN technology** in commercial/special vehicles and mobile machinery
- **dial-in to an existing local WLAN network** or the **establishment of your own WLAN network**
- **real-time monitoring of all CAN bus data**
- **storage and evaluation of CAN bus data,** e. g. for a cyclic status report
- **interface for parameterization** of functionalities

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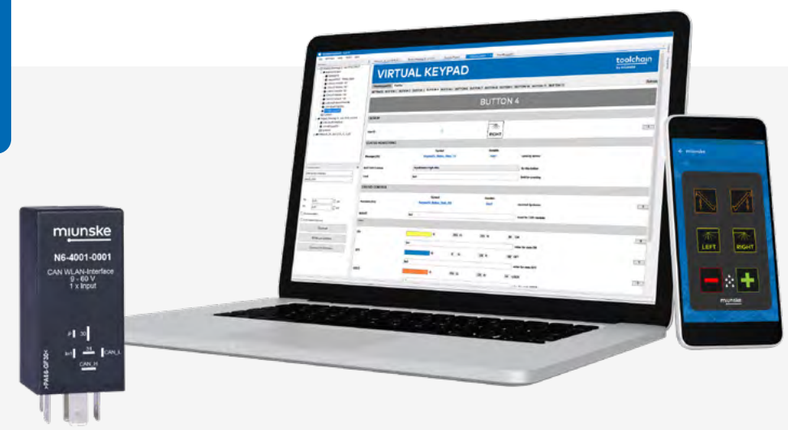
PLUS POINTS
operating functions via
miunske-app

toolchain
by miunske



APPLICATION

How to connect the WLAN-interface to the vehicle

You need a CAN bus connection and a power supply either on mini relay socket or Molex MX-150 connector.

Depending on the equipment variant, your data will be displayed in
- the miunske-app,
- the miunske-toolchain or
- in your self-programmed GUI application.

With a miunske-toolchain compatible CAN adapter you can configure the WLAN-interface.
- WLAN name
- password
- device status information
- Which data should be displayed?

DATA DISPLAY AND EVALUATION

- monitoring of the communication between all control units via miunske-app
- tabular (CAN raw data) and graphical status display (keyboard) via miunske-app
- transmission of recorded or logged CAN bus data conveniently by e-mail from smartphone or tablet (e. g. to manufacturer, workshop)
- real-time display of CAN bus data in the miunske-toolchain

TECHNICAL DATA

TRANSMISSION
- range: approx. 30 m, bidirectional
- WLAN frequency range: 2.4 GHz
- transmission standard: 802.11 a/b/g
- WPA2 encryption
- switchable server/client functionality

CAN INTERFACE
- baud rates: adjustable from 33 kBit/s up to 1 MBit/s
- parameterization: via miunske-toolchain

EXECUTION
- electrical system: 12 V, 24 V and 48 V (9 V - 60 V)
- 2 housing variants:
  - in relay housing, pluggable on mini relay socket, protection class IP53
  - in CINCH ModICE – housing with 18-pin connector (Molex MX150), protection class IP67

OPTIONS
- external antenna
- miunske-app

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+ FIXED CONTACT PERSON
+ JUST IN TIME ENGINEERING
+ IN-HOUSE DEVELOPMENT SERVICE
+ STORAGE & ORDER PICKING
+ DELIVERY RELIABILITY & FAST AVAILABILITY
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