

MTS 6516

Vehicle Communication Interface



BOSCH

Invented for life



MTS 6516 for Maximum Flexibility

Designed for flexibility and future needs the MTS 6516 offers OEMs a wide application range far beyond standard vehicle communication leading to reduced investment cost for workshops.

Workshop efficiency

Establishes an industry benchmark for VCI pass-through performance with its 520 MHz ARM processor and optimized software structure enabling high speed ECU reprogramming. In addition, the VCI software facilitates secure immobilizer system reprogramming strategies.

More than a pass-thru device – Embedded applications

The Bosch MTS 6516 VCI includes an embedded runtime framework which enables the VCI to run embedded applications. This allows a wide range of use cases such as: drive recorder, parking lot re-flash (standalone re-flash), and diagnostic runtime. This is supported by an extended temperature range of -20 to +70 °C, sleep/wake modes, IP54 protection, full-speed USB host connection e.g. for external trigger, and a 4 GB Micro SD-card to store drive recorder log files, re-flash images, etc.

Workshop flexibility – Embedded web-server

An embedded web server supports external browser-based display devices (e.g. smart phone) via HTML for an extended range of service bay use cases.

Support of 24 V systems

With an input voltage of 6–32 V and a 24 V diagnostic bus the MTS 6516 can also be used for 24 V systems, e.g. in light and heavy trucks.

Compliant with SAE J2534 and ISO 22900 (MVCI)

Supports worldwide legislated communication standards, with a wide range of supported protocols.

Supports newest vehicle electrical architectures

The MTS 6516 allows simultaneous communication on three separate CAN channels.

Supports a wide variety of legacy vehicles

Simultaneous communication on two separate UART buses, integrated J1850 controller and wide range of supported protocols.

Flexible host communication

High-speed USB 2.0 for high performance data communication as well as WiFi 802.11 b/g/n certified for operation in more than 130 countries.

Worldwide emissions testing

Full EOBD/OBDII compliance supporting all standard protocols.

Supported Standards

- ▶ MVCI (ISO 22900-1) for hardware interoperability
- ▶ D-PDU API (ISO 22900-2) for complete protocol abstraction
- ▶ J2534-1/-2 Pass-Thru

Vehicle Interfaces

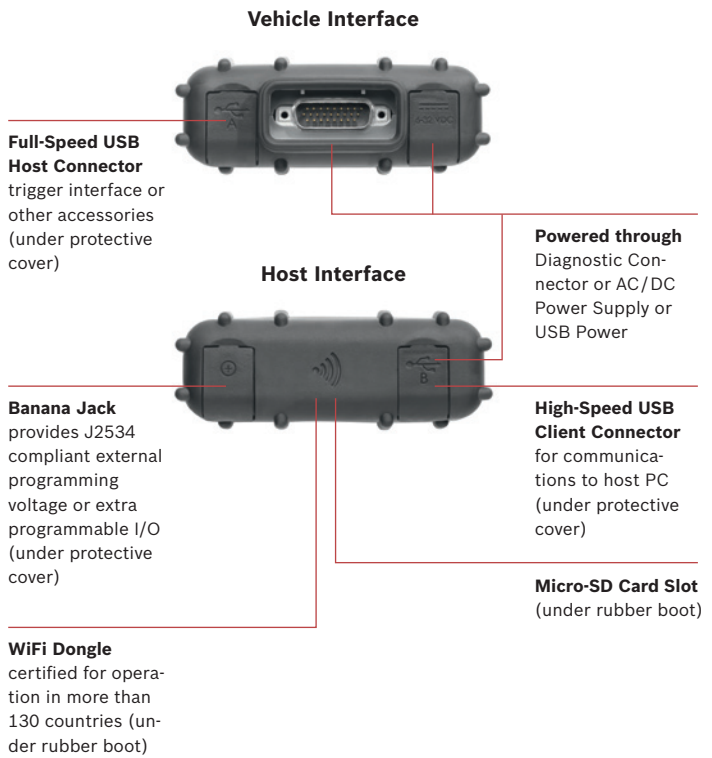
- ▶ CAN – 3 independent channels, high speed and fault tolerant transceivers
- ▶ UART – 2 independent channels
- ▶ ISO K-Line and L-Line
- ▶ J1850 VPW and PWM
- ▶ UBP
- ▶ J2534 compliant programming voltage terminal

Host Interfaces

- ▶ Wired high-speed USB 2.0
- ▶ Wireless 802.11 b/g/n

Other Features

- ▶ Processor: PXA270 ARM processor, 520 MHz
- ▶ 4 GB micro SD card for mass storage
- ▶ IP54 compliant
- ▶ Full-speed USB 1.1 peripheral expansion port
- ▶ Auxiliary power input
- ▶ Operating temperature range: -20 to +70 degrees C
- ▶ Energy management (sleep/wake mode)



Backed by Bosch Automotive Service Solutions

- ▶ 30 years of experience with vehicle diagnostic solutions for global OEMs
- ▶ Supported by a broad suite of complimentary diagnostic software and content authoring tools
- ▶ Engineering services available to assist our customers with product integration
- ▶ Global network of product support centers and distribution locations.