Invented for life

GVCI-MX (MTS 6534)

Vehicle communication interface for OEMs

Drawing on 30 years of experience with diagnostic environments, Bosch engineers these products in-house and produces the VCIs at one of its factories in Germany. Large volume requirements can also be met, for example for globally launching a new VCI.

Workshop efficiency

This interface sets industry benchmark for J2534 VCI pass-thru performance with its fast processor, optimized software structure, and faster boot-up. The software also facilitates reliable strategies for securely reprogramming immobilizer systems.

Hardware features

The GVCI-MX supports an extended temperature range from 20° to 70°C, sleep/wake modes, and IP54 ingress protection.

Support for future vehicle architectures

DoIP (diagnostics over IP), 4 independent CAN High speed (CAN HS) controllers let the GVCI-MX support nearly all industry-standard vehicle architectures.

Extendible support for vehicle protocols

GVCI-MX can support nearly all vehicle communication protocols, including current industry-standard protocols, OEM proprietary, and legacy protocols.

Support for 24-volt systems

The GVCI-MX VCI input voltage range is from 8 to 28 volts. The GVCI-MX supports 24-volt systems used in light and heavy trucks.
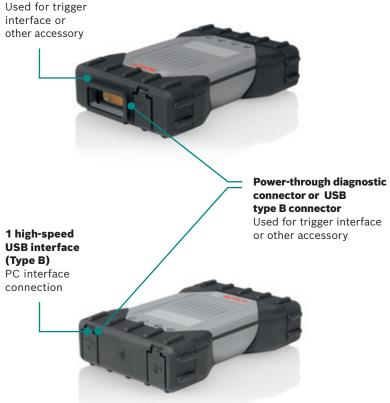

G-VCI MX with P2P Wi-Fi: kit contents

GVCI-MX

Vechicle communication inferface

4 LEDs
Indicate VCI status
at a glance

Placeholder
for optional
customer logo

**Rubber
end boots**
For VCI and
vehicle
protection

**1 high-speed
USB host
connector
(Type A)**
Used for trigger
interface or
other accessory

**Power-through diagnostic
connector or USB
type B connector**
Used for trigger interface
or other accessory

**1 high-speed
USB interface
(Type B)**
PC interface
connection

Product information

Supported standards:
- ISO 22900-2: Diagnostic protocol data unit (D-PDU API)
- J2534-1 Version 04.04: Recommended practice for pass-thru vehicle programming
- J2534-2 Version 04.04: Pass-thru extended features

PC host interfaces:
- USB 2.0 - type B connectors (x1)
- 802.11 b/g/n Wi-Fi

VCI Manager (PC software):
- Device busy/wireless detection indication
- Software and firmware update tool
- Wired/wireless connection management

VCI physical layer interfaces:
- Four CAN high speed channels
- One Ethernet channel
- Two UART channels (K and L lines)
- One J1850
- One J1708

Protocol interfaces:
- SAE J1939 (3 independent channels)
- SAE J1708/J1587
- SAE J1850 VPW / PWM
- SAE 2740 (GM UART)
- SAE J2818 - KWP1281
- SAE J2284 at 125/250/500 kbps
- SAE J2411 (GM single-wire CAN)
- SAE J2610
- ISO 13400 - DoIP
- ISO 15765
- ISO 14230 - KWP 2K
- ISO 9141-2
- ISO 11898-1 CAN High Speed
- ISO 11898-3 (fault-tolerant CAN)
- GMW 3110 (GM LAN)
- ISO 11992-1 DW CAN

Other available services:
- Engineering services available to assist customers with product integration
- Global network of product support centers to support the workshops

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