

USB CAT - CAN Analyzer Tool

Validated by

GM

One Solution for GM's Automotive World

Hardware & Software

GMLAN Diagnostics
Single Wire CAN
Flightrecorder-Mode
No loss of data while recording?

Optimized price and performance ratio

Easy configuration
Different APIs for own applications
Support of Standard Diagnostic Software (J2534, J2534-1)



The USB CAT is based on the proven CAT hardware.

Characteristics & Technical Data

CAT

Hardware

- 100% busload at 1MBit/s
- Access to 3 busses: HS, MS, LS (SWCAN)
- On-board data (pre-) processing

CAT

Software

- clear Monitoring of signals and frames
- easy and quick configuration
- extended filter- and trigger conditions
- diagnostic- or process data online or offline
- no loss of data during recording
- up to 30 transmit frames
- 200 Signals configurable

Software

Add Ons

- XS Sequencer for easy simulation of systems
- PassThru (J2534, J2534-1) applications can be connected to a vehicle via CAT
- LevelX as universal I+ME SW interface
- Easy LevelX for connection to Labview
- XS CAT OPC Server utilizes the standardized OPC interface



Technical Data

General Characteristics

Transfer rate CAN : up to 1 MBit/s
 Performance : 100% busload at 1 MBit/s
 Dimension : 98mm x 41mm x 20mm
 Power supply : external 6.5 to 16 VDC
 via CAN Bus (24V version available)
 Temperature range : 0 bis +70° C
 Processor type : C165, @ 18,432 MHz

Vehicle

connector : 9- Pin SubD with
 GM- spec. pinning
 Protocol Interface : SJA 1000, CAN 2.0B active
 Physical. Interface : CAN 1: ISO 11 898 (82C251)
 CAN 2: ISO 11 898 (82C251)
 CAN 3: SWCAN (GMW 3089)

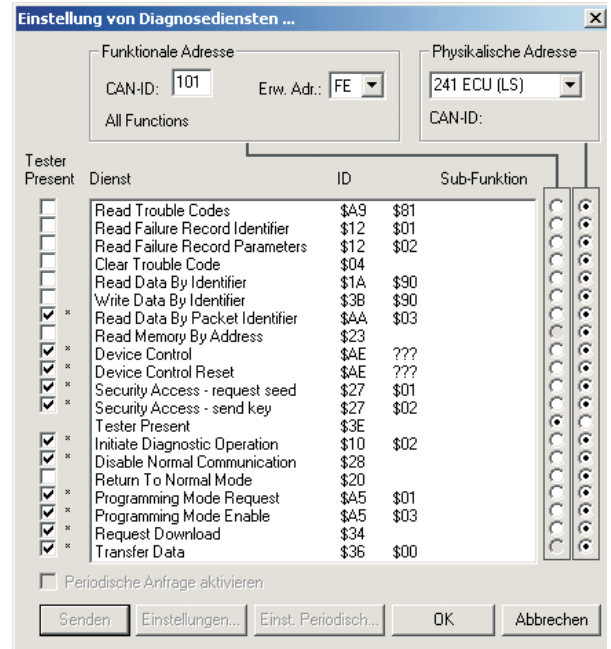
PC

connection : via USB 1.1 adapter cable
 operating system : Windows 98, NT, 2000, XP

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Diagnostics

- 20 implemented GMLAN diagnostics services
- Exchange of information in html format
- Permanent adaption to specification and requirements



Order Information

Product includes



- USB CAT hardware
- USB adapter cable
- CAT Software on CD- ROM
- Installation guide

On request

| | |
|-----------------------------|--------------|
| USB CAT | IME 3501 406 |
| USB CAT (only for GM Group) | IME 3501 405 |

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|-------------------------------|--------------|
| Optional : | |
| CAT connector cable COM- Port | IME 3501 701 |

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| GM Diagnostics cable : | |
| 2 m cable to DLC- 16- Pin | TGD 3501 702 |
| 4 m cable to DLC- 16- Pin | TGD 3501 703 |
| 2 m cable pigtail | TGD 3501 704 |
| 4 m cable pigtail | TGD 3501 705 |
| DLC- 16- Pin Y- Adapter | TGD 3501 706 |

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| Additional software products : | |
| XS Monitor | IME 3901 302 |
| XS Sequencer | IME 3901 303 |
| PC CAN Control | IME 2902 303 |

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|-------------------------|--------------|
| Supported APIs : | |
| CATI API | IME 3501 301 |
| PassThru API | IME 3902 501 |
| XS OPC Server | IME 3501 303 |
| LevelX API | IME 2909 301 |
| Easy LevelX for LabView | IME 2912 301 |

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