# **USB CAT - CAN Analyzer Tool**



### **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.



## VCI specialists since more than 20 years

## **Chracteristics & 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

## Contraction 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

## GM

#### **Diagnostics**

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

Einstellu	ng von Diagnosediensten			×
	Funktionale Adresse CAN-ID: 101 Erw. Ad	dr.: FE 💌	Physikalische 241 ECU (LS	
	All Functions		CAN-ID:	
Tester Present	Dienst	ID	Sub-Funktio	n l l
	Read Trouble Codes Read Failure Record Identifier Read Failure Record Parameters Clear Trouble Code Read Data By Identifier Write Data By Identifier Read Data By Packet Identifier Read Data Dy Packet Identifier Read Data Dy Packet Identifier Read Data Dy Packet Identifier Request Download Transfer Data	\$A9 \$12 \$04 \$14 \$23 \$AA \$23 \$AE \$27 \$27 \$27 \$27 \$28 \$10 \$28 \$20 \$A5 \$45 \$34 \$36	\$81 \$01 \$02 \$90 \$03 ??? \$01 \$02 \$02 \$02 \$02 \$02 \$03 \$03 \$03 \$00	
Sen	den Einstellungen Einst. F	Periodisch	ок и	Abbrechen



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

IME 3501 406

IME 3501 405

- Installation guide

#### **On request**

USB	CAT					
USB	CAT	(only	for	GΜ	Group	)

IME 3501 701
TGD 3501 702
TGD 3501 703
TGD 3501 704
TGD 3501 705
TGD 3501 706
IME 3901 302
IME 3901 303
IME 2902 303

#### **Supported APIs :**

CATIAPI PassThru API XS OPC Server LevelX API Easy LevelX for LabView

ACTIA®	H	7	7
--------	---	---	---

I+ME ACTIA GmbH Dresdenstr. 17/18 38124 Braunschweig Germany Tel : + 49 (0) 531 38 70 1 0 Fax : + 49 (0) 531 38 70 1 88 www.ime-actia.com mail: info@ime-actia.de Local US Support: Tel : +1 (734) 266- 2083 Fax : +1 (734) 266- 2087 mail: info@actia.com

 Germany
 mail: info@ime-actia.de
 mail: info@actia.com
 I + M E A C T I A G m b H

 This Product Information Sheet is offered without charge to the customers of I+ME ACTIA GmbH. Data is the most current known to I+ME ACTIA GmbH at the time of preparation and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. All Information are suitable for modification. © 2009 I+ME ACTIA GmbH IR11598D

IME 3501 301

IME 3902 501 IME 3501 303

IME 2909 301

IME 2912 301