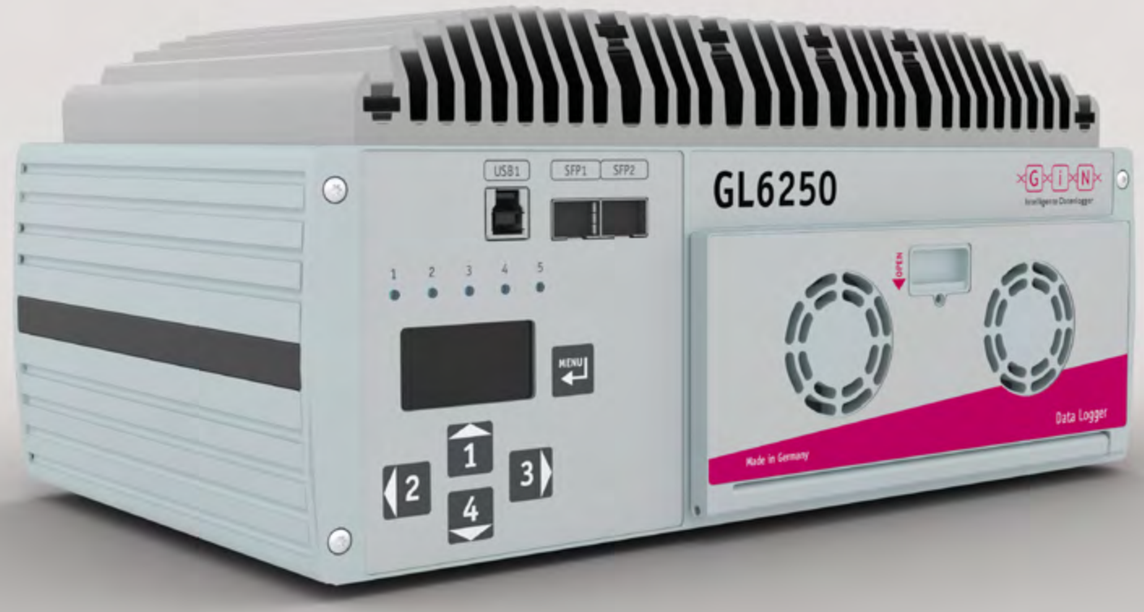
GL6250



Intelligente Datenlogger

New Standards in Synchronized Vehicle Data Recording

The **GL6250** enables fully synchronized recording of **CAN, LIN, FlexRay, CAN FD, and Ethernet networks** (e.g. TCP/UDP, DLT, ADB, Raw Logging, and Automotive Ethernet). Internally, the device provides up to **16 freely configurable CAN/LIN or RS-232 and 2 FlexRay channels, 4 × 100BASE-T1, and 2 × 1000BASE-T1 ports.**

Thanks to its high performance and expansion options, the GL6250 can be flexibly adapted to complex test require-ments:

Up to **9 GLX504 modules** provide **36 additional CAN FD channels with SIC transceivers**, and by connecting **5 GLX415 modules and one GLX427, additional 12 CAN and up to 80 LIN bus systems** are available for **synchronized recording.**

For the recording of modern vehicle networks, the GL6250 can record data from up to **2 × 12 Automotive Ethernet ports via VN5240 Extenders, using its 2 × SFP+ interfaces** (supported IEEE standards: 10BASE-T1S, 100BASE-T1, 1000BASE-T1, MultiGBASE-T1, and MultiGBASE-T).

- Online data transfer of internal 4 × 100BASE-T1 and 2 × 1000BASE-T1 Ethernet ports
- 2 SFP+ slots (each 10 Gbit) for connecting Automotive Ethernet extenders
- CCP/XCP on CAN, XCP on CAN FD, XCP on FlexRay, XCP on Ethernet
- Sending any, freely configurable messages
- Selective recording (extensive trigger and filter conditions)
- Classification
- Data transfer via LAN, USB and mobile radio
- High write speed of up to 1.6 GBytes/s

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GL6250

Technical Specifications

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Interfaces

CAN/CAN FD	Up to 16 CAN FD (TJA1043 via GLT baby boards) 1 AUX-CAN with TJA1042
Automotive Ethernet	4 ports 100Base-T1 Ethernet ports 2 ports 1000Base-T1 Ethernet ports
LIN	Up to 16 (via GLT baby boards)
RS-232	Up to 16 (via GLT baby boards)
FlexRay	2 (A and B)
Digital I/O	2 Digital In, 2 Digital Out
Analog Input	6 (0 V ... 60 V, 16 Bit)
USB	3 (USB 3.0)
Ethernet	10 x 1000 Mbit/s (6 via integrated switch)
AUX+	4 Out (to connect and supply optional accessories such as GLX427 or GLX504) 1 In (for synchronization with a further GL6250)
EVENT	1 (to connect the event box E2T2L)
Storage Medium	Removable storage cassette (GMS106) with up to 4 SSDs

Technical Data

Operating Voltage	+7.5 V ... + 55 V
Power Consumption at 12 V	Typ. 54 W
Current Consumption at 12 V	
• **in sleep mode**	< 2 mA
• **in operation mode**	Typ. 4.5 A
Operating Temperature Range	-40 °C ... + 70 °C

Housing

Material	Aluminium
Dimensions (LxWxH)	290 x 206 x 138
Weight	~ 7500 g

Optional External Extensions

LOGview	External display
LINprobe	2 LIN
CANgps	GPS receiver on CAN
VN5240	12 ports (for IEEE 10BASE-T1S/100BASE-T1/1000BASE-T1/MultiGBASE-T1/MultiGBASE-T)
CA8DL/CA4T4DL/CAS1T3L	Triggering and monitoring
CASM2T3L	Triggering and audio recording
LTE Router	Mobile data transfer
GLA710	USV
GLX504	4 CAN FD interfaces with SIC transceiver
GLX427	12 CAN and up to 15 serial interfaces (LIN/RS-232)
GLX415	15 LIN interfaces
HostCAMF911x	Images, image sequences and video clips

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GL6250

Connectivity

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Mounting Plate

GLA710
USV

CASM2T3L
Audio recording and triggering

CANgps
GPS receiver on CAN
GPS Receiver serial

LTE Router
Mobile data transfer

GLX427
12 CAN & up to
15 serial interfaces
(LIN/RS-232)

CA8DL/CA4T4DL/ CAS1T3L
Triggering/monitoring and signaling

LOGview
External display

GLX504
4 CAN FD interfaces
with SIC transceiver

LINprobe
2 x LIN

GLA618
AUX+ Switch

GLX415
For further
15 LIN interfaces

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