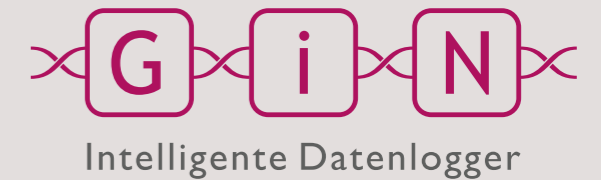


# GL6250



- 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

## 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 requirements:

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**.

The GL6250 can additionally record data from up to **60 × 100BASE-T1 ports** and up to **18 × 1000BASE-T1 ports** using a maximum of **three GL5450 modules** (in extender mode). Furthermore, **up to 24 additional ports** can be captured via up to **two VN5240 units**, supporting IEEE 10BASE-T1S, 100BASE-T1, 1000BASE-T1, MultiGBASE-T1, and MultiGBASE-T.

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# GL6250

## Technical Specifications



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

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

Housing	
<b>Material</b>	Aluminium
<b>Dimensions (LxWxH)</b>	290 x 206 x 138
<b>Weight</b>	~ 7500 g

Optional External Extensions	
<b>LOGview</b>	External display
<b>LINprobe</b>	2 LIN
<b>CANgps</b>	GPS receiver on CAN
<b>VN5240</b>	12 ports (for IEEE 10BASE-T1S/100BASE-T1/1000BASE-T1/MultiGBASE-T1/MultiGBASE-T)
<b>GL5450</b>	20 ports for 100BASE-T1 and 6 ports for 1000BASE-T1
<b>CA8DL/CA4T4DL/CAS1T3L</b>	Triggering and monitoring
<b>CASM2T3L</b>	Triggering and audio recording
<b>LTE Router</b>	Mobile data transfer
<b>GLA710</b>	USV
<b>GLX504</b>	4 CAN FD interfaces with SIC transceiver
<b>GLX427</b>	12 CAN and up to 15 serial interfaces (LIN/RS-232)
<b>GLX415</b>	15 LIN interfaces
<b>HostCAMF911x</b>	Images, image sequences and video clips

# GL6250

## Connectivity



**Mounting Plate**



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



**GLA618**  
AUX+ Switch



**GLA710**  
USV



**CA8DL/CA4T4DL/  
CAS1T3L**  
Triggering/monitoring and  
signaling



**GLX415**  
For further  
15 LIN interfaces



**CASM2T3L**  
Audio recording and  
triggering



**LOGview**  
External display



**CANgps**  
GPS receiver on CAN  
GPS Receiver serial



**GLX504**  
4 CAN FD interfaces  
with SIC transceiver



**LTE Router**  
Mobile data  
transfer



**LINprobe**  
2 x LIN