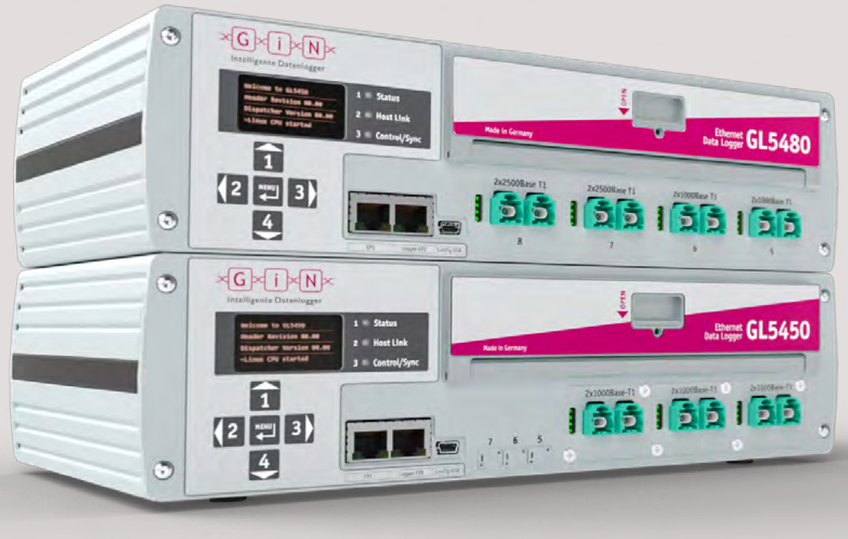
GL5400 series

Intelligente Datenlogger



- Up to 20 100-Base-T1 links (10 taps) in GL5450 and GL5480
- Up to 6 1000-Base-T1 links (3 taps) in GL5450
- Up to 4 1000-Base-T1 links (2 taps) and 4 2500-Base-T1 (2 taps) in GL5480
- 64 ns timestamp resolution for maximum precision
- Separate SYNC line for exact time synchronization
- Intelligent filtering to reduce personal and irrelevant data
- Configuration of system-relevant/critical connections (critical ports)

The Enhanced Solution for High-Performance Automotive Ethernet Logging

The GL5400 series enables reliable and precise real-time recording of automotive Ethernet data (**100-Base-T1, 1000-Base-T1, 2500-Base-T1**) in sync with the master logger (GL5300/GL3400/GL6250), which handles central control and configuration. With the GL5480, the series now supports 2500-Base-T1.

An intelligent filtering function reduces the data volume by specifically excluding irrelevant and personal data, supporting GDPR-compliant recording. Additionally, a marker function is available for the targeted tagging of relevant events.

The series supports Ethernet logging via T**CP, UDP and DLT** (**with and without VLAN**), as well as flexible master/slave configuration.

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GL5400 series

Technical Specifications

Intelligente Datenlogger

Technical Data	
Ethernet Interfaces	5 PHY-Board slots with 4 ports: 20 independent 100Base-T1 Ethernet ports (OPEN Alliance BroadR-Reach) 2 x 1 Gigabit Ethernet interfaces
• **GL5450**	3 PHY-Board slots with 2 ports: 6 independent 1000Base-T1 Ethernet ports (OPEN Alliance BroadR-Reach)
• **GL5480**	2 PHY-Board slots with 2 ports: 4 independent 1000Base-T1 Ethernet ports (OPEN Alliance BroadR-Reach) 2 PHY-Board slots with 2 ports: 4 independent 2500Base-T1 Ethernet ports (OPEN Alliance BroadR-Reach)
AUX	1 AUX+In for connecting GL5300/GL3400/GL6250 with 1 high speed CAN interface 1 AUX+Out for connecting GLX427/GLX415/GLX504/GL5400
USB	1 Mini USB connector
Time Stamping Resolution	64 ns
Internal Memory	2 GB RAM
External Memory	Slot for 2 x SSDs (replaceable)
Write Rate	Up to 2 Gbit/s
Operating Voltage	+8 V ... +55 V
Current Consumption at 12V:	
• **in operation mode**	With 8 or 9 active PHY-Boards and 2 SSDs: 2.25 A With deactivated PHY-Boards: 1 A
• **in sleep mode**	Typ. 2 MA
Power Consumption bei 12 V	Typ. 33.6 W (with 2 SSDs)

Housing	
Material	Side Profile: Al Mg3 Cover: EN AW-6060 (Al Mg Si 0.5) T66 Trim Strip: ABS
Dimensions (LxWxH)	212x 290 x 80
Weight	~ 3500g

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