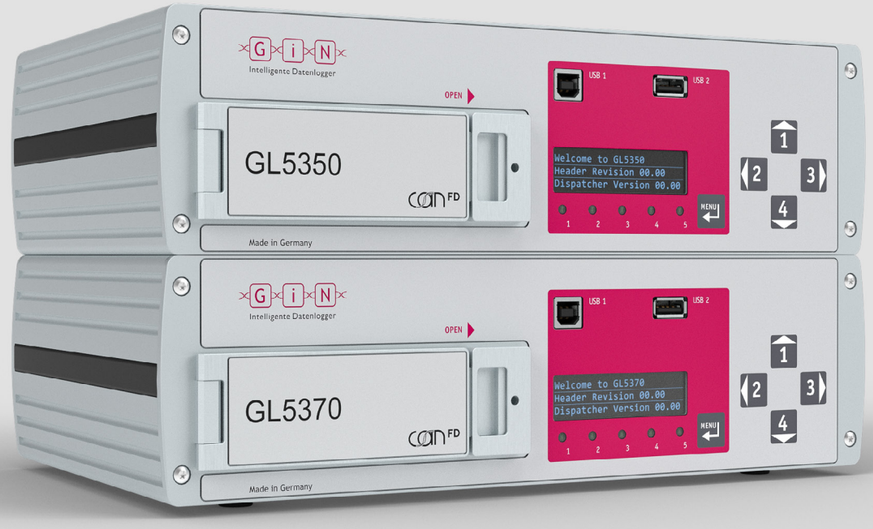
GL5350/GL5370

Intelligente Datenlogger



Up to 4 CAN FD

Up to 12 CAN FD

- Rest bus simulation
- Classification
- Gateway
- 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)
- Data transfer via LAN/WiFi, USB and mobile radio
- Operation via menu control

Performance meets Intelligence

The next generation of vehicles will be increasingly equipped with intelligent driver assistance systems, complex multimedia components and systems for autonomous driving. These complex, networked technologies provide ever larger amounts of data, making troubleshooting during the development phase more time-consuming and complex.

In order to shorten the test drives, reduce their number and still fulfil the test requirements of all departments, the advantages of an intelligent and powerful data logger such as the GL5300 series come into play.

The GL5300 series covers time-synchronous logging from LIN/CAN & CAN FD bus systems over FlexRay networks to Ethernet networks (TCP/UDP/DLT/ADB and Ethernet raw logging). This series also offers the connection of up to 8 cameras and up to 5 GLX504 for a further 20 CAN FD channels with SIC transceiver and up to 3 GL5450 for time-synchronised recording of up to 60 100-Base T1 (30 taps) and up to 18 1000-Base T1 links (9 taps).

Discover our products online!

G.i.N. GmbH | www.gin.de | sales@gin.de | Tel. +49 6155 8259 0

GL5350/GL5370

Technical Specifications

Intelligente Datenlogger

GL5300 Configuration	CAN Interfaces		LIN Interfaces	RS-232 Interfaces	WiFi	Analog Inputs	
	CAN 2.0	CAN FD				10 bit	12 bit
GL5350-8H-3R1L-A8I	16	4	3	7		4	8
GL5350-8H-4L-W	16	4	6	4	✔	4	0
GL5370-12H-1R3L	12	12	5	5		4	0
GL5370-12H-4R-W	12	12	2	8	✔	4	0

Optional Internal Add-ons		Page
Internal Analog Inputs	A8I extension board built-in	64
WiFi	WiFi board built-in	68

Technical Data	
Operating Voltage	+7 V ... + 50 V
Power Consumption at 12 V:	Typ. 10.3 W
Current Consumption at 12 V:	
• **in sleep mode**	< 2 mA
• **in half sleep mode**	Typ. 180 mA
• **in operation mode**	Typ. 860 mA
Operating Temperature Range	-40 °C ... + 70 °C

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

Interfaces	
GL5350 **(4 x CAN FD)**	21 (12 TJA1043, 8 x via GLT baby boards, 1 AUX-CAN with TJA1042)
GL5370 **(12 x CAN FD)**	25 (12 TJA1043, 12 x via GLT baby boards, 1 AUX-CAN with TJA1042)
LIN	Up to 6 (2x TJA1021, 4x via GLT baby boards)
RS-232	Up to 8 (4x fixed, 4x via GLT baby boards)
FlexRay	2 (A und B)
Digital I/O	4 Digital In, 4 Digital Out
Analog Input	4 (0 V ... 32 V, 10 Bit)
USB	4 (USB 2.0)
Ethernet	5 (integrated switch)
WiFi	1 (optional using WiFi extension board)
AUX	2 (to connect optional accessories such as LOGview or hand trigger)
AUX+	2 (to connect and supply optional accessories such as GLX427 or GLX504)
EVENT	1 (to connect the event switch E2T2L)
Storage Medium	1 SSD slot

GL5350/GL5370

Connectivity

Intelligente Datenlogger

Mounting Plate

Page 34

GLA710

USV

Page 36

CASM2T3L

Audio recording and triggering

Page 60

CANgps

GPS receiver on CAN
GPS Receiver serial

Page 54

LTE Router

Mobile data transfer

Page 58

GLX427

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

Page 50

CA8DL/CA4T4DL/ CAS1T3L

Triggering/monitoring and signaling

Page 60/62

LOGview

External display

Page 42

GLX504

4 CAN FD interfaces
with SIC transceiver

Page 44

LINprobe

2 x LIN

Page 52

GLA618

AUX+ Switch

Page 38

GLX415

For further
15 LIN interfaces

Page 48