

Feature Matrix

GL1000/GL2000/GL3000/GL4000 Logger Families

The loggers of the GL families are the optimal tools for logging CAN, LIN, FlexRay and MOST150 data communication. Additionally the loggers support the logging of analog measurement data like battery voltage as well as internal ECU parameters via diagnostics and CCP/XCP during a test drive. Due to its low current consumption in sleep mode, the loggers are excellent for in-vehicle tests and use in test fleets.

Features	GL1000 GL1010	GL2000 GL2010	GL3000 GL3100 GL3200	GL4000 GL4200
Logging Buses				
CAN channels	2	4	9	9
LIN channels	2 ...12 ¹	2 ...12 ¹	2 ...16 ¹	2 ...16 ¹
FlexRay channels	-	-	-	2 ²
MOST150 channels ³	-	-	1	1
RS232	1	1	2	2
Data Storage				
SD/SDHC card ³	✓	✓	-	-
Compact Flash card ³	-	-	GL3000/3100	GL4000
Solid State Disk 64 GB ³	-	-	GL3200	GL4200
USB memory medium ³	-	-	GL3000/3100	GL4000
Data Transfer				
USB 2.0	✓	✓	✓	✓
Memory card in card reader	✓	✓	GL3000/3100	GL4000
Solid State Disk via eSATAp	-	-	GL3200	GL4200
Wireless LAN ³	-	-	✓	✓
3G/UMTS ³	-	✓	✓	✓
Ethernet	-	✓	✓	✓
Inputs, Outputs				
Digital inputs	2 ⁴	4 ⁴	8	8
Digital outputs	2 ⁴	4 ⁴	8	8
Analog inputs	4	4	6	6
Analog extension board ³	-	-	8	8
Keypad, Display				
LEDs (freely programmable)	4	4	5	5
Display	-	-	GL3100/3200	GL4000/4200
Event buttons	-	-	GL3100/3200	GL4000/4200
Buttons on remote control	-	2	2	2
Additional Hardware Features				
Real-time clock with battery	✓	✓	✓	✓
Beep	✓	✓	✓	✓
IP65 variant	GL1010	GL2010	-	-

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Sleep/Wake Features⁵				
Sleep mode	✓	✓	✓	✓
Standby mode with Fast Wake-up	-	✓	✓	✓
Wake-up over CAN, LIN, wake line and clock	✓	✓	✓	✓
Logging Functions				
Permanent logging	✓	✓	✓	✓
Trigger on messages, signals	✓	✓	✓	✓
Trigger with pre-/post-trigger time	✓	✓	✓	✓
Filter for data reduction	✓	✓	✓	✓
Logging digital inputs and outputs	✓	✓	✓	✓
Logging analog inputs	✓	✓	✓	✓
Transmit CAN messages	✓	✓	✓	✓
Timer, Timeout	✓	✓	✓	✓
CCP/XCP on CAN with Seed & Key ^{3,6}	✓	✓	✓	✓
XCP on FlexRay with Seed & Key ^{3,6}	-	-	-	✓
XCP on Ethernet ³ with VX modules ³	-	-	✓	✓
Diagnostics over UDS, KWP2000 on CAN	✓	✓	✓	✓
Online classification	-	✓	✓	✓
Rainflow analysis	-	✓	✓	✓
Drive recorder function	-	✓	✓	✓
Data Analysis				
Data export to BLF, ASC, MDF, IMG, TXT, MAT, HDF5	✓	✓	✓	✓
Offline analysis with CANoe/CANalyzer	✓	✓	✓	✓
Offline analysis with CANape/vSignalizer	✓	✓	✓	✓
MS Excel	✓	✓	✓	✓
Extensions				
CANgps ³ – log GPS position	✓	✓	✓	✓
LINprobe ³ – additional LIN channels	✓	✓	✓	✓
LOGview ³ – display for information	✓	✓	✓	✓
HostCAM ³ – digital camera	-	-	✓	✓
CAS1T3L ³ – remote control	-	✓	✓	✓
CASM2T3L ³ – speech recording	-	✓	✓	✓
VoCAN ³ – speech recording and speech output	-	✓	✓	✓
VX modules – fast ECU measurement	-	-	✓	✓

Legend: ✓ = Available - = Unavailable

¹ LINprobe required expanding to 12 resp. 16 LIN channels.

² 2 FlexRay channels equal to 1 cluster.

³ Additional product, not included in standard delivery.

⁴ Alternatively as digital input or output.

⁵ Wake-up capable CAN transceiver required.

⁶ CANape required for Seed & Key.