

XORAYA μ L-Z7



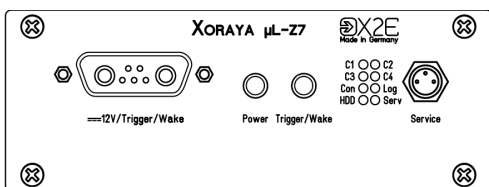
The XORAYA μ L-Z7, based on the Xilinx Zynq® 7000 All Programmable SoC, is an ultra compact micro logger capable of taking data records of one or multiple automotive bus systems. It can be used to extend the available log interfaces of XORAYA data loggers and in situations where measuring equipment needs to be placed close to the source.

A XORAYA data logger is able to configure, control and synchronise μ L-Z7 micro loggers via Ethernet interface. Log data can either be saved on the built-in M.2 module or transferred to another data logger.

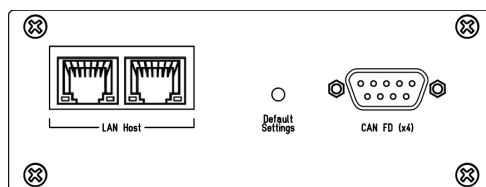
Currently available interfaces include HS CAN, CAN FD, FlexRay, RS-232 and LIN. In addition, Harman-Becker's GNLog protocol and the DLT protocol can be recorded via Ethernet, OABR and RS 232. An extension for CCP / XCP via CAN and FlexRay is also available. All data is logged based on a precise, central timestamp with 100 ns resolution.

The front side contains the power supply port, control elements and several status LEDs. One connector, which can include multiple bus systems depending on the variable hardware configuration, is located on the back side as well as the 2-port Gigabit Ethernet switch used to connect to other XORAYA devices.

4x CAN FD configuration example



Front view



Back view

Specifications

- Central 100 ns timestamp
- DLN (Distributed Logger Network) to communicate with XORAYA loggers and probes
- PLP (Probe Logger Protocol) for 3rd party probes
- Download 800 Mbit/s
- Dimensions (H x W x D) 39 x 105 x 105 mm
- Temperature range -40 °C to +65 °C
- External operating voltage 6 V to 32 V
- Current consumption (standard mode) max. 850 mA (at 12 V)
- Current consumption (standby) max. 0.9 mA (at 12 V)
- Automatic sleep mode, wake up by CAN, FlexRay, RS-232, LIN, wakeline or trigger

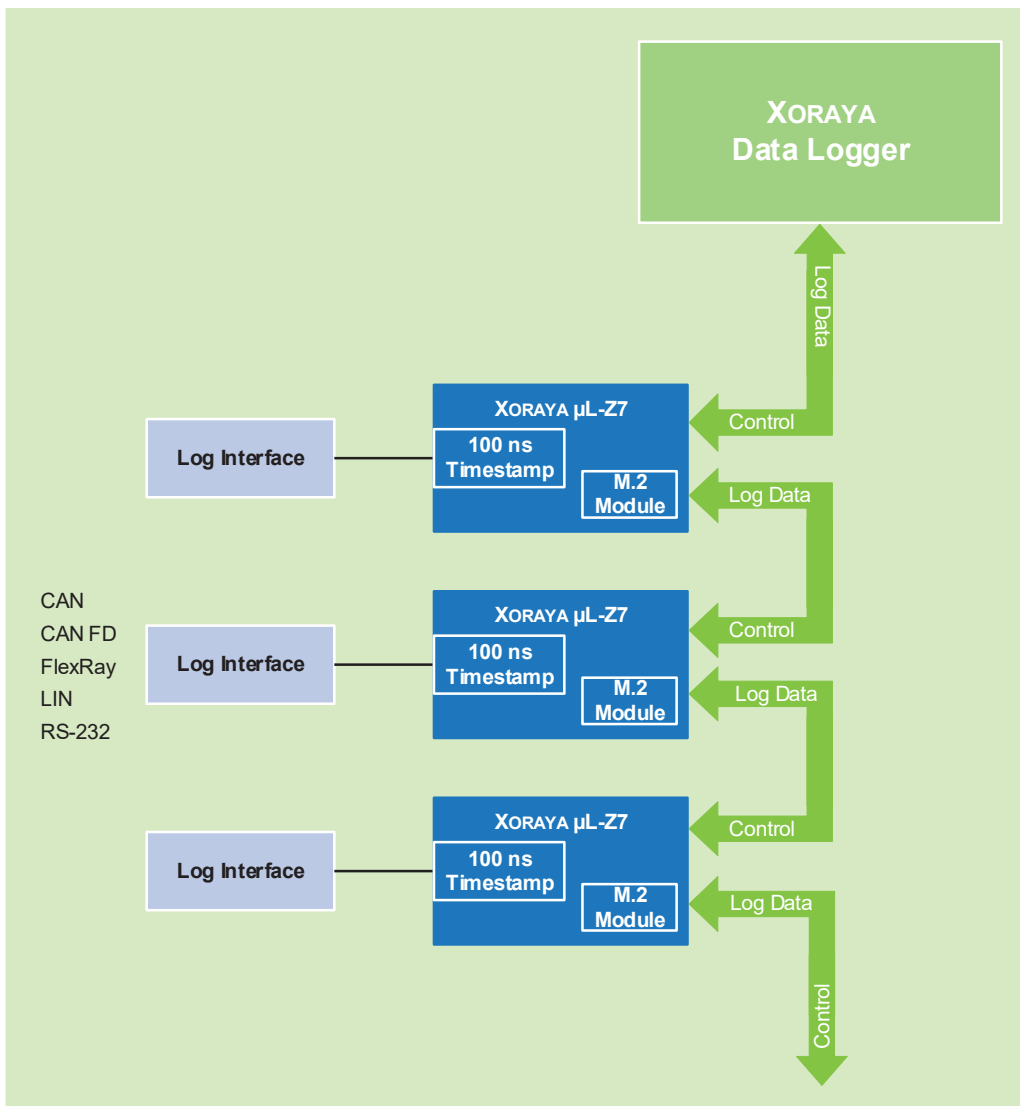
Record Modes

- Via Ethernet to XORAYA data logger
- On built-in M.2 module

Software

- XORAYASuite and XORAYASDK for Microsoft Windows

XORAYA μ L-Z7



Delivery Contents

- XORAYA μ L-Z7
- Power supply cable
- Software
- Manual
- Cable set (optional)

Available Configuration

Configuration C4

- 4 x HS-CAN
- 4 x CAN-FD (via HS-CAN)

Configuration C4L4

- 4 x HS-CAN
- 4 x CAN-FD (via HS-CAN)
- 4 x LIN

Configuration C4L4F1

- 4 x HS-CAN
- 4 x CAN-FD (via HS-CAN)
- 4 x LIN
- 1 x Dual-FlexRay

Configuration C4L4R2

- 4 x HS-CAN
- 4 x CAN-FD (via HS-CAN)
- 4 x LIN
- 2 x RS-232

Errors and omissions excepted.



2_092019

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