

DATA LOGGER

XORAYA N2000

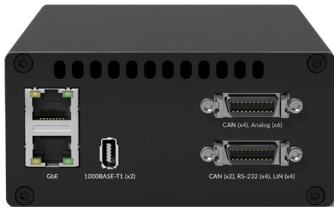
Due to its compact design in combination with good performance and interface coverage, the N2000 can be used flexibly, especially in test environments with a variety of bus systems.



PRODUCT OVERVIEW

Description

The XORAYA N2000 is a compact data logger that offers good performance and a wide range of interfaces while coming in a rather small package. Therefore, the device can be used very flexibly, especially in test environments where a variety of different bus systems have to be logged. The device holds interfaces for CAN-FD, RS-232, LIN, FlexRay, Analog, 100/1000BASE-T1 and Gbit Ethernet which can be written with a data rate of up to 2 Gbit/s.



Configuration example

Product Highlights

- ✓ Compact data logger with a wide range of interfaces
- ✓ Up to 2 Gbit/s recording speed
- ✓ CAN-FD, RS-232, LIN, FlexRay, Analog, 100/1000BASE-T1 & Gbit Ethernet
- ✓ Up to 1 TB internal storage

Technical Data

Further information can be found at the back of this data sheet.

Data rate	Storage capacity	Timestamp	Temperature range	Dimensions
Up to 2 Gbit/s	Up to 1 TB	100 ns	-40 to +65 °C	50 x 105 x 215 mm

Data Logging Interfaces

The XORAYA N2000 has, unlike other data loggers of the XORAYA series, fixed interface configurations.

Available interfaces	CAN-FD, RS-232, LIN, FlexRay, Analog, 100/1000BASE-T1, Gbit Ethernet						
Configuration	CAN-FD	RS-232	LIN	Analog	100/1000 BASE-T1	Gbit Ethernet	FlexRay
C6B2GE2A6R4L4	6	4	4	6	2	2	-
C6A6L4F2B4	6	-	4	6	4	-	2
C6	6	-	-	-	-	-	-



TECHNICAL DATA

All important technical data of the XORAYA N2000 at a glance:

Hardware	Processor	Xilinx Dual ARM Cortex-A53 (ZU3CG)
	Flash / RAM	128 MB Flash / 2 GB RAM
	Quick boot buffer	1.5 GB / 6 sec
	Data rate	Up to 2 Gbit/s
	Data storage	Up to 1 TB internal storage
	Timestamp	100 ns
	Supply voltage	12 V DC (temporarily from 6 to 32 V)
	Current consumption (at 12 V)	Standby: max. 1 mA Operating: max. 3.1 A Charging PCAPs: max. 2.7 A
	Temperature range	-40 to +65 °C
	Dimensions	50 x 105 x 215 mm (H x W x D)
	Weight	1.1 kg
	Other	Thermally sealed active cooling, real-time clock, supercap unit
Software	Operating system	Embedded Linux
	Storage formats	X2E Native, X2E ASCII, CARMEN-Journal (V3.0), Wireshark PCAP/PCAPNG, Vector BLF, Vector ASCII, XAA for GNLog, DLT AUTOSAR, System Events, NMEA for GPS, Raw RS-232, CSV for Analog/CCP, CSV for Signals, Video Extractor, MATLAB Signals, MDF Signals/Bus-logging
	Software protocols	CCP/XCP, PLP, XLP
	Recording mode	Internal storage / PC via Ethernet
	Wake up by	CAN-FD, RS-232, LIN, FlexRay, wakeline or trigger
	Configuration software	XORAYA Suite, XORAYA WebGUI and XORAYA SDK for Windows & Linux
	Other	Automatic sleep mode
Interfaces	Configuration 1	6x CAN-FD, 2x 100/1000BASE-T1, 2x Gbit Ethernet, 6x Analog, 4x RS-232, 4x LIN
	Configuration 2	6x CAN-FD, 4x 100/1000BASE-T1, 6x Analog, 4x LIN, 2x FlexRay
	Configuration 3	6x CAN-FD
	Non-logging interfaces	1x 12V/Trigger/Wake, 1x USB OTG, 1x LAN Host, 1x Service