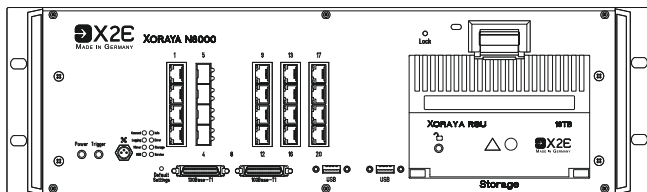DATA LOGGER
XORAYA N8000

The XORAYA N8000 acts as the central node of a distributed data logger system that networks various data loggers and probes in the vehicle.

PRODUCT OVERVIEW

Description

The XORAYA N8000 is the central node that connects all data loggers in the car. Compact and specialized probes can then be placed close to the source and transmit the data to the N8000 via 1GbE-/10GbE line. A removable PCIe storage unit consisting of NVMe SSDs stores up to 32 TB of log data. Alternatively, data can be downloaded directly to an external computer system via Ethernet.

Product Highlights

✓ Central hub to connect all logging devices within the car
✓ Interconnectable with different probes and loggers
✓ Quick-change storage medium with up to 32 TB
✓ Fast recording speed with up to 15 Gbit/s

Technical Data

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

Data rate	Storage capacity	Timestamp	Temperature range	Dimensions
8 Gbit/s	Removable storage with up to 32 TB	100 ns	-40 to +60 ℃	133 x 482 x 352 mm

Data Logging Interfaces

In addition to the host functionality for other devices, the XORAYA N8000 is also capable to directly log data. The following interfaces are available for this purpose:

Number configurable slots	none
Available interfaces	Gbit Ethernet, 100BASE-T1, 1000BASE-T

Configuration	1000BASE-T	100BASE-T1	SFP+
1	16	12	4
2	16	-	6

TECHNICAL DATA

All important technical data of the XORAYA N8000 at a glance:

Hardware		
	Processor / RAM	Intel Xeon D-1539 / 32, 48, 64 GB RAM
	Data rate	8 Gbit/s
	Data storage	Removable Storage Unit (XORAYA RSU) with up to 32 TB
	Recording mode	On Removable Storage Unit (XORAYA RSU) / PC via Ethernet
	Timestamp	100 ns
	External operating voltage	6 to 36 V
	Current consumption	Max. 16.6 A (standard) / max. 1 mA (standby)
	Temperature range	-40 to +60 °C
	Dimensions	188,8 x 460,7 x 304,4 mm 188,8 x 493,5 x 304,4 mm (incl. wall fitting)
	Weight	8,1 kg
	Other	-

Software		
	Operating system	Embedded Linux
	Storage formats	MF4, Wireshark PCAP
	Software protocols	CCP/XCP, PLP, XLP
	Waking up by	Wakeline or trigger
	Configuration software	XORAYA Suite, XORAYA WebGUI and XORAYA SDK for Windows & Linux
	Other	Automatic sleep mode

Interfaces		
	Configuration 1	16x 1000BASE-T 12x 100BASE-T1 4x SFP+
	Configuration 2	16x 1000BASE-T 6x SFP+
	Non-logging interfaces	1x 12V/Trigger/Wake, 1x Device, 2x USB 3.0