

STORAGE DEVICE

XORAYA ASU (PRELIMINARY)

The XORAYA ASU (Advanced Storage Unit) is an FPGA-based storage unit capable of logging data at high speeds of up to 32 Gbit/s.



PRODUCT OVERVIEW

Description

The XORAYA ASU is a cutting-edge FPGA-based storage device designed for high-speed data logging of up to 32 GBit/s in a single unit. It can be seamlessly connected via 10 Gigabit Ethernet to various streaming devices, such as the XORAYA Probe and the XORAYA N4000+, making it highly versatile for a wide range of applications.

Its support for the ASAM CMP Protocol ensures a reliable and standardized data communication and management. Additionally, multiple ASU devices can be utilized in parallel, significantly enhancing both writing speed and overall storage capacity. This scalability makes the XORAYA ASU an ideal choice for demanding environments where large volumes of data need to be logged and processed quickly and efficiently.

Product Highlights

- ✓ High-speed data logging of up to 32 GBit/s
- ✓ Integrated logging, storage and read out device
- ✓ Outstanding performance per watt
- ✓ Supports ASAM CMP 1.0

Technical Data

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

Hardware	Writing speed	Up to 32 Gbit/s
	Reading speed	Up to 32 Gbit/s (with standard network components)
	Storage	8, 16, 32 TB
	Temperature range	-40 to +65 °C
	Dimensions	224 x 120 x 42 mm
	Weight	Tbd
Software	File format	MDF, PCAP
	Time sync	PTP(IEEE 1588); gPTP (IEEE 802.1AS)
Interfaces	Logging-Interfaces	4x SFP+



SYSTEM OVERVIEW

The following figure illustrates the exemplary use of the XORAYA ASU in a scalable data logging system.

