

DATA LOGGER

XORAYA ML-N4000 AERO

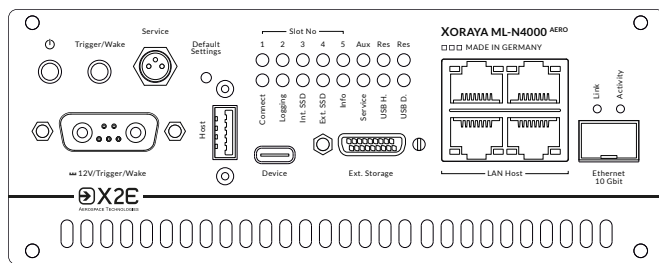
The Xoraya ML-N4000 AERO is a dedicated aviation data logger, which has a wide range of applications thanks to six freely configurable interface slots.



PRODUCT OVERVIEW

Description

With its extensive range of individually configurable interfaces, the Xoraya ML-N4000 AERO can be used wherever data from different bus systems must be recorded. Despite its compact dimensions, the powerful hardware enables recording rates of up to 3 Gbps. The data can be written on an internal or external memory and forwarded to a third system via Ethernet.



Product Highlights

- ✓ flexible and compact aviation data logger
- ✓ up to 3 Gbit/s recording speed
- ✓ individual configuration of logging interfaces possible
- ✓ Ethernet, CAN, ARINC, RS-485 and many more.
- ✓ 1 TB internal & 2 TB external storage

Technical Data

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

| Data Rate | Storage Capacity | Timestamp | Temperatures | Dimensions | Weight |
|----------------|------------------|-----------|---------------|-------------------|---------|
| up to 3 Gbit/s | up to 2 TB | 100 ns | -40 to +60 °C | 65 x 165 x 165 mm | 2,2 kg* |

Data Logging Interfaces

The Xoraya ML-N4000 AERO offers the possibility to equip the logging interfaces individually. Various plug-in modules are available for this purpose. We also provide two default configurations that can be used out-of-the-box.

| | |
|---------------------------|--|
| Number configurable slots | 6 |
| Available Interfaces | HS-CAN, CAN-FD, RS-232, RS-485, ARINC 429, ARINC 825, LIN, OABR, Gbit-Ethernet |

| Configuration | HS-CAN | CAN-FD | RS-232 | ARINC 429 | ARINC 825 | Gbi-Ethernet |
|---------------|--------|--------|--------|-----------|-----------|--------------|
| R28C4GE4A44 | 4 | 4 | 8 | 4 | - | 4 |
| R28C8GE4A82 | 4 | 4 | 8 | - | 2 | 4 |



TECHNICAL DATA

All important technical data of the Xoraya ML-N4000 ^{AERO} at a glance:

| | | |
|------------------------|---|---|
| Hardware | Processor / RAM | Quad ARM Cortex-A53 / 4 GB DDR4, 128MB QSPI Flash |
| | Data Rate | up to 3 Gbit/s |
| | Data Storage | up to 1 TB Internal Storage / up to 2 TB External Storage (optional) |
| | Recording Mode | Internal Storage / External Storage (ESU) / PC via Ethernet |
| | Timestamp | 100 ns |
| | External Operating Voltage | 6 to 32 V |
| | Current consumption | max. 1 A (standard) / max. 1 A (standby) |
| | Cooling | Thermally sealed active cooling |
| | Temperatures | -40 to +60 °C |
| | Dimensions | 65 x 165 x 165 mm |
| | Weight | 2,2 kg |
| | Other | Real Time Clock, Power-Caps |
| Software | Operating System | Embedded Linux |
| | Storage formats | X2E-Native, X2E Ascii, Carmen- Journal (V3.0), Wireshark PCAP, MOST OP2, MOST IMG, Vector BLF, Vector ASC, XAA for GNLog, DLT-Autosar, System Events, NMEA for GPS, Raw for RS232, CSV for Analog/CCP, CSV for Signals, Video Extractor, MatLab signals, MDF Export |
| | Software Protocols | CCP/XCP, PLP, DLN |
| | Other | Automatic Sleep Mode |
| Interfaces | Pre-installed Logging Interfaces | none |
| | Available Logging Slots & Interfaces | 6 Slots (one interface module per slot) |
| | | <ul style="list-style-type: none"> ↳ Slots 1-4: 4x CAN-FD / 6x Analog / 8x RS-232 / RS-485 / 4x ARINC 429 / 2x ARINC 825 ↳ Slot 5: 4x Gbit-Ethernet ↳ Slot 6: 12x OABR (Switch) |
| Non-Logging Interfaces | 1x 12V/Trigger/Wake, 1x USB Host, 4x LAN Host, 1x Device, 1x SFP+ | |

