Today’s autonomous vehicles are capable of generating gigabytes of data per second. Testing and verifying these vehicles requires the ability to record large amounts of data at high speed. For these applications, Intrepid Control Systems introduces the RAD-Gigalog, which allows you to record multi-gigabit data streams with up to 6+ terabytes of history. This means video or radar streams can be recorded for hours, while traditional high-bandwidth CAN networks could be captured and preserved for years!

Features

- High-speed 10 Gigabit Ethernet (10GBASE-T) interface
- 10/100/1000 Ethernet interface
- USB 3 for data offload and configuration via rugged USB-C connector
- USB 2 host for neoVI MIC2 / RAD-Moon / RAD-SuperMoon accessories
- Programmable membrane label with LEDs to show network status
- 8x ISO CAN FD channels
- 2x FlexRay receive-only channels
- Up to 12 TB of storage (12x parallel full-sized SD cards)*
- Supercapacitor power failure protection
- Low power: 18W (1.5A @ 12V)
- Time synchronization with other Intrepid tools and autonomous logger systems (PTP)
- High speed serial interface input and output supporting TI FPD-Link III or Maxim GMSL for direct camera or sensor connection, simulation and tapping
- IMU

Applications - Log Everything!

- Ethernet logging
- CAN logging
- Long-term XCP logging
- Aurora trace logging
- Autonomous controller logging
- Machine learning data collection
- Camera/radar tapping
RAD-Gigalog

USB 3.1 Gen1 (5 Gb/s) provides high-speed offload, while a USB 2 high-speed host port allows the connection of Intrepid accessories, such as the RAD-Moon (100BASE-T1) or RAD-SuperMoon (1000BASE-T1) media converters or neoVI MIC2 GPS/trigger. FPD-Link III and GMSL input and output provide direct connections to cameras and radar sensors.

The device can be powered from either the barrel jack or HD-26 vehicle connector. The HD-26 interface carries the RAD-Gigalog's 8 ISO CAN FD channels and 2 FlexRay receive channels, while two RJ-45 jacks are provided for 10G and 10/100/1000 Ethernet.

LED bargraphs on both sides of the case let you easily see how much storage space is left in the RAD-Gigalog

Distributor: Neomore 5 Rue de la Plaine 78860 Saint-Nom-la-Bretèche FRANCE +33 1 30 64 15 81 www.neomore.com

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
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<td>RADGIGALOG-6TB-FP</td>
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<td>RADGIGALOG-12TB-FP*</td>
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<td>Autonomous Vehicle Data Logger</td>
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* Subject to commercial availability of 1 TB SD cards.

Specifications subject to change; please contact Intrepid for the latest information. All trademarks are the property of their respective owners.

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