

RX D2

Portable battery-backed GMSL2 data logger for Level 2+ applications

Flexible configuration, including
Intel compute processing options.



KEY FEATURES

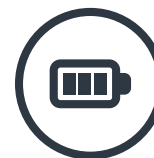
- Compact form factor for easy integration in long-term test fleets
- Intel Xeon D CPU with 12 cores and 96GB RAM
- Two 2.5" solid state drives (SSDs) with capacity up to 15.36TB each. Easily removable for ingest
- 1 hour battery backup
- Four channels of GMSL2 supporting cameras, radar, & lidar
- Optional four CAN-FD interfaces



RUGGED



COMPACT



LOW POWER

EMEA

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KLAS



VoyagerVM 3.0

COMPUTE/STORAGE MODULE

- Intel Xeon D CPU with 8, 12, or 16 cores, up to 96GB RAM
- 2 x 2.5" SSDs (validated for up to 15.36 TB for Samsung, Kioxia)
- 1 TB NVMe for OS

CONNECTIVITY

- 2 x 10 Gb Ethernet (copper, SFP DAC) with IEEE 1588/TSN 802.1AS
- 2 x 1 Gb Ethernet
- Optional 4-channel Peak CAN-FD interface (internal mPCI-E card)
- 1, 2, 4 high-speed CAN channels (ISO 11898-2)
- 4 x CAN FD bit rates for data from 25 Kbps to 12 Mbps

PHYSICAL SPECIFICATIONS

- 7.4" W x 6.3" D x 2" H (188 x 160 x 52 mm)
- 3.5 lb (1.6 kg)

ELECTRICAL SPECIFICATIONS

- 9-36 VDC input; max 65 W

TEMPERATURE RANGE

- Operating: -32° C to 50° C (0° C to 50° C for 16 core)
- Storage: -40° C to 85° C (-20° C to 80° C for 16 core)

SOFTWARE SUPPORT

- KlasOS Keel (shipped as standard), VMware, Microsoft Azure Stack Edge
- Virtual machines: RTMaps, ROS compatible

COMPLIANCE

- MIL-STD-0810
- MIL-STD-461F
- FCC Part 15 B
- CE
- RoHS, REACH

Voyager 1+ (Optional)

RUGGED BATTERY PACK

- Power output 120 W, 65 Wh battery backup power (including 12 W PoE) - suited to modules with higher power requirements
- Can be stacked for extended operation
- Battery-backed 12 V or 24 VDC output to power encryption devices, including ViaSat KG-250X, ViaSat KG-250XS, TACLANENano KG175N (PoE power), KG-175D and Mini-Catapan
- Lithium-ion rechargeable battery

PHYSICAL SPECIFICATIONS

- 7.4" W x 1.65" D x 2" H (188 x 42 x 52mm)
- 1 lb (0.48 kg)

ELECTRICAL SPECIFICATIONS

- 10-36 VDC input; max 120 W

TEMPERATURE RANGE

- Operating — charge: 0° C to 40° C
- Operating — discharge: -20° C to 60° C
- Storage: -20° C to 50° C

AED SerDes Logging (Optional)

GMSL2 OR FPD-LINK SUPPORT

- 4-channel logger with 10 Gbps uplink with simultaneous passthrough of data to ECU
- PTP-based time sync using external clock master via 1 G port
- Lossless compression with ~50% compression rate
- Installed in test vehicles for recording of sensor and ECU debug port data
- Supports reinjection mode in HIL where recorded data can be sent via SLA to ECU
- PoC supported to provide power to sensors
- Configuration via web interface
- Camera configuration over I2C on SerDes

PHYSICAL SPECIFICATIONS

- 4.7" W x 3.3" D x 1.8" H (120 x 86 x 46 mm)
- 1.1 lb (0.5 kg)

ELECTRICAL SPECIFICATIONS

- 8-16 VDC input range, max 18 W

OPERATING TEMPERATURE

- -30° C to 70° C

KLASOS KEEL | BLACKROCK

Optimised Management & Virtualization