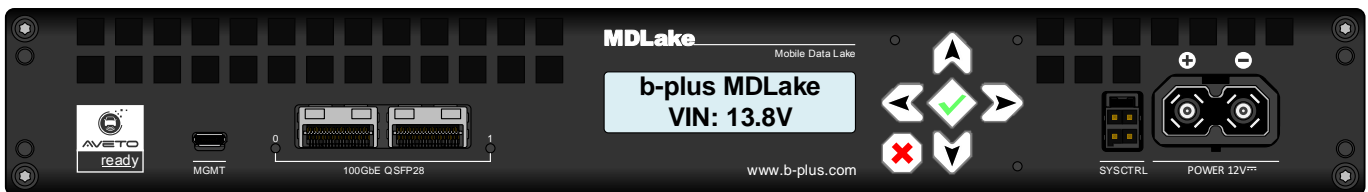


MDLake

Generation 64G



Mobile Data Lake

The b-plus MDLake is a small form factor network storage unit designed for mobile SAN applications. It combines high-bandwidth data center technology with automotive requirements to enable the next generation of raw sensor data recording in ADAS/AD development.

Based on RDMA technology RoCE v2 the MDLake allows a recording performance of 1x 80Gbit/s to 2x 64Gbit/s by offloading the processing unit in your recorder. NVMe over Fabrics (NVMe-oF) secures best compatibility by connecting the MDLake as a local storage device.

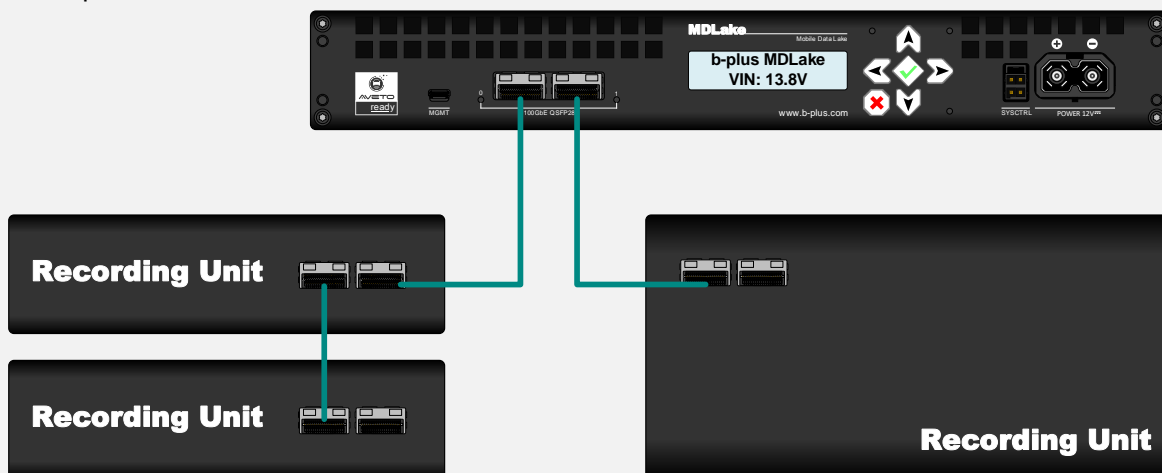
With two multi-port compatible 100Gbit/s QSFP28 ethernet interfaces any recorder could be connected via Active Optical Cable (AOC) or Direct Attach Copper (DAC) solutions.

Highlights

- Integrated 16-Core ARM SoC with DDR4
- 60TB or 120TB Storage JBOF
- 2x 100Gbit/s QSFP28
- 1x 80Gbit/s to 2x 64Gbit/s write performance
- User HMI for Monitoring and Configuration
- Webinterface for Remote Control
- 6V - 32V DC power supply with Ignition
- Operating temperature 0°C to +50°C
- Windows and Linux support
- With RoCE v2 technology compatible to any recording system extendable with PCIe

SAN technology for automotive applications

Example Setup



Alle Daten bei 25°C Umgebungstemperatur, falls nicht anders angegeben. / All data at nominal input and 25° C ambient temperature, if not marked otherwise. ▪ Alle Daten dienen nur Informationszwecken und sind nicht als zugesicherte Eigenschaften aufzufassen. / All data for information purposes only, no assured characteristics. ▪ Technische Änderungen ohne vorherige Ankündigung sowie Irrtümer vorbehalten. / Technical modifications without notice and errors reserved. ▪ Belastung mit Extremwerten über einen längeren Zeitraum kann die Zuverlässigkeit beeinflussen. / Strain with extreme values for a longer period may affect the reliability. ▪ Alle Trademarks und Logos sind Eigentum der jeweiligen Unternehmen. / All trademarks and logos are property of the concerning companies. Im Falle von Unklarheiten ist die deutsche Version dieses Dokuments bindend / In case of doubts the German version of the document is binding. © b-plus GmbH • Mrz-20 • Version 0.3