

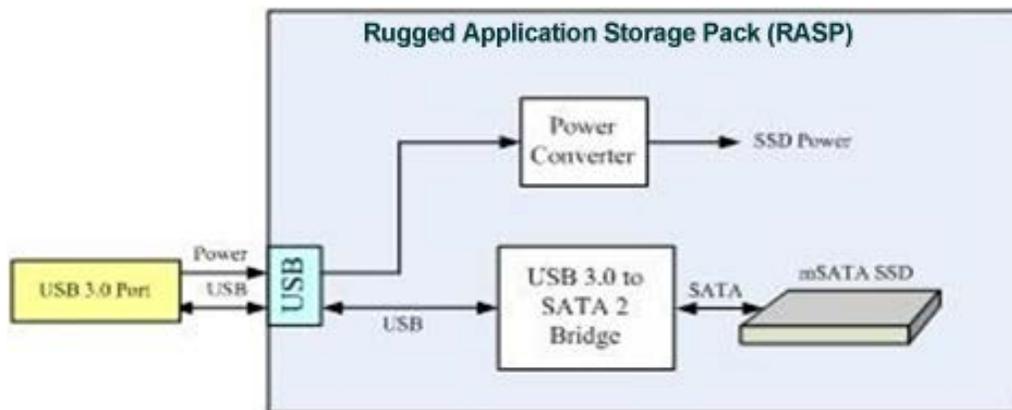


# TuffServ® Storage

## Rugged Application Storage Pack (RASP)

The RASP is a USB-attached storage device combining the reliability and supply traceability/consistency of an industrial solid-state storage device with the universal usability of a USB memory stick.

Based around an “mSATA” SSD, RASP’s are available in capacities from 4GB to 240GB and higher. The packaging is designed to fit the demanding requirements of a mission-critical storage device being used in all environments, and so is built to be handled by technicians wearing cold-weather gear while still being compact and rugged enough to fit in a sleeve pocket. The housing also includes a recessed area for placement of security and/or identification labels.



By employing the “mSATA” SSD, the RASP benefits from the more advanced storage features (such as “wear levelling”) and improved ECC reporting via “SMART” (Self Monitoring And Reporting Technology).

The physical interface to the RASP is via a USB 3.0 “micro B” connector, which is backward compatible to the USB 2.0 “micro B” connector commonly used on consumer devices such as smartphones.





# TuffServ® Data Loader

Even though several of the TuffServ storage devices have standard USB 3.0 connectors, sometimes CONOPS dictate that a fixed interface unit must be used, for example anchored in place in ground processing station.

This is particularly useful in applications where there are two types of media, such as with the TuffServ 282, which uses both a high-performance/high-capacity Removable Storage Module (RSM) and a versatile Rugged Application Storage Pack (RASP) for planning and maintenance applications.



To address this sort of requirement, Ampex offers products similar to the Combined Data Loader (CDL) a product that allows for one RSM and one RASP to be simultaneously read and written by a desktop or laptop PC over a single USB 3.0 cable.

Incorporating a USB 3.0 hub, a power supply system and a USB/SATA bridge (for the RSM), the CDL eliminates several loose cables that might otherwise clutter a ground station.