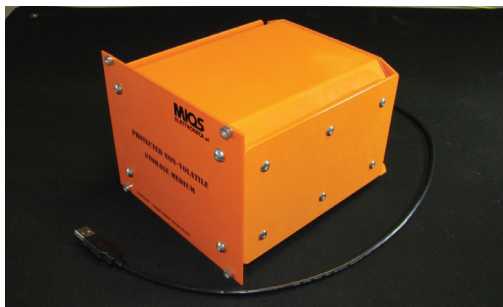# Crash Protected Memory

The CPSM1000 is a standalone crash proof solid state memory intended for storing data recorded on-board of railway vehicles: trains metros and trams.

The unit has been design to protect data in case of accident and it is resistant to fire, impact shock, penetrati on, static crush, fluid immersion and hydrostati c pressure according to the Internati onal Standards requirements.

The device is equipped with an USB or Ethernet interface to the event generator device (i.e. TCMS, VCU) through which it receives data to be recorded. This allows every device in the vehicle system producing events to be record them directly without a classic event recorder unit. The CPSM1000 is provided with different type of housing (suitable for 3U rack or as a standalone device).

The recorded data can be retrieved using a PC-based software tool and used for investigating in case of accidents and incidents.

The unit is designed and manufactured according to the new IEC 62625 standard relevant to the ODDRS: Onboard Driving Data Recording Systems.

MAIN STANDARDS COMPLIANCE

- Approvals/Compliance: EN 50155, IEC 60571, IEEE Std 1482.1-1999 and IEC 62625-1
- Internetworking Standards: IEEE 802.3u (Fast Ethernet 802.3ab), IEEE 802.3at (Power over Ethernet)

ENVIRONMENTAL

- Power supply: through the USB interface or Power over Ethernet
- Operati ng temperature according to EN 50155, class TX
- Dimension (mm.): 153 x 176 x 110 (without 3U front panel)
- Weight: 4kg

SYSTEM FEATURES

- Storage capacity up to 32 GB
- Fire, impact shock, penetration, static crush, fluid immersion and hydrostatic pressure protecti on levels according to IEC 62625-1 & IEEE Std 1482.1 - 1999

STANDARD CONNECTIVITY

- USB 2.0 or Ethernet 100 Base-T (in option)

MIOS ELETTRONICA srl