

» CHM26 – CrashHardenedMemoryUnit

Easily Add IEEE/FRA Crash Hardened Memory to Existing Systems!«



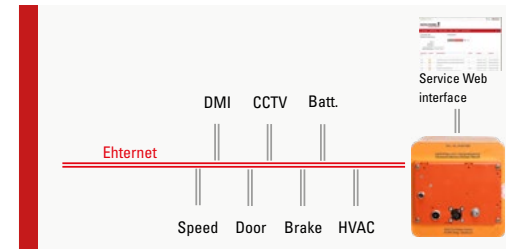
Applied to IEEE1482.1 (2013) and FRA 49 CFR 229 standards, the CHM26 Crash Hardened Memory Unit allows for effortless integration to new or existing systems. Offering 256 GB, 512 GB or 1 TB of capacity and an on-board ethernet network interface, adding Crash Hardened Memory is simple and straightforward requiring minimal modifications to existing systems.



Video and Voice Recording



Train Data Recording with DEUTA REDBOX®



Monitoring & diagnostic system or other peripheral systems



Feature/Specification	CHM 26
Standards	applied to IEEE Std. 1482.1-2013, FRA Directive 49, (FRA 49 CFR Part 229, § 229.135 Appendix D)
Power consumption	24 - 110 VDC, 10 W
Temperature range	-25°C to +70°C (operation) -40 °C to +85 °C (storage)
Storage medium	internal Flash Memory in 256 GB, 512 GB or 1 TB
Communication	Data recording Data downloading
Connectors	Ethernet, USB
Service PC connection	Service web interface via Ethernet
Dimensions	
Width	6.3 inch (160 mm) without fastening bracket 8.7 inch (220 mm) with fastening bracket
Height	6.3 inch (160 mm) without fastening bracket 6.5 inch (165 mm) with fastening bracket
Depth	11.5 inch (292 mm) without connectors
Weight	Approx. 29 lb (13 kg)
Protection category	Memory card protected unit IP 67 (tightness protection) Outside housing IP 20 (mechanical protection)
Load capacity of the housing	
Static pressure	110 kN (25000 lbf) for 5 min.
Penetration	Steel bolts: 6.4 mm (0.25 inch) diameter and 23 kg (50 lb) weight at a fall height of 1.5 m (5.0 feet)
Shock	55 g Peak (100 ms duration)
Thermal load capacity	750 °C (1382 °F) for approx. 60 min. (FRA) 650 °C (1200 °F) for approx. 30 min. (IEEE) 300 °C (570° F) for approx. 60 min. (IEEE) 260 °C (570° F) for approx. 10 hrs. (FRA) 100 °C (212 °F) for approx. 5 hrs. (IEEE)
Tightness	#1 Diesel (ASTM D975), #2 Diesel (ASTM D975), water, salt water, lubricating oil (each liquid for 48 h, immersion in fire extinguishing agent for 10 min.)
Hydrostatic pressure	Fresh water 50 feet (15 m) depth for 48 hours Salt water 50 feet (15 m) depth for 48 hours

Easy to integrate

Ethernet & USB

256 GB, 512 GB or 1 TB storage medium

IEEE 1482.1-2013 & FRA 49 CFR

Standalone high-capacity CHM with:

- 256 GB, 512 GB or 1 TB Memory capacity
- USB & Ethernet communication
- Web based Service PC interface
- 24 - 110 V DC wide range power supply
- FRA 49 CFR Part 229, § 229.135 appendix D
- IEEE Std. 1482.1-2013, part 4.6
- Optimized for video data protection
- On-board processing capabilities