



On Boarding Engineering > Avionics

GLU

Ground and Data Loading Unit

Rugged and portable computer, designed and qualified for operation ON Aircraft under the most severe military conditions.

Key features:

Rugged and portable, designed and qualified for military use (ON Aircraft).

Wide connectivity (STANAG 3910, STANAG 3838, RS -232).

Bus Analyzer capability included.

Modular design with growing capacity.

Loading and data exchange time can be reduced up to 80%.

More than 300 GLUs in service for Eurofighter.

Main Features

- Many data buses can be implemented, as STANAG 3910 (EFABUS) or MIL-STD-1553 (STANAG3838), to interface with all the modern electronic equipment.
- Functionality of data downloader for the FLIR data recorder.
- Bus Analyzer Capability (It could replace the HLBA).
- GLU can be operated mounted on top of its transit case. Standing operations complies with MIL-STD-1472.
- GLU can be operated under explosive atmosphere conditions (Zone 1 BS5345).
- Based on a modular design, the GLU allows high maintainability and growing capability.

**STANAG 3910,
MIL-STD-1553,
RS -232...
and bus analyzer**



GLU	Technical Specification
Processor	Intel i7 Dual Core Processor'
Memory	4 GB DDR 3 ECC (8 GB max)
Storage	Removable SSD 64 GB Bluray unit
Operating System	Microsoft Windows 10
Display	15" TFT LCD Display 1024 x 768
Keyboard	NEMA 4x14-FCC C15B
Power	90 to 132Vac @400Hz 180 to 264Vac @50H
Interfaces	STANAG 3910 (EFABUS) STANAG 3838 (MIL-STD-1553) RS-232-C Discrete I/O Ethernet (Maintenance) RS-232-C (Maintenance)
Dimensions	410(w)x275(d)x370(h)mm
Weight	20,5Kg
EMC	CE-EFA-1;CE-EFA-2, CE-EFA-3 CS-EFA-1; CS-EFA-AGE-2; CS-EFA-4 RE-EFA-AGE-1; RS-EFA-AGE-3; ESD-EFA-1
ENV	MIL-STD-810E
Operating Temperature	-40°C to +50°C
Storage Temperature	-40°C to +70°C
Humidity	5% a 95%
Maintenance	MTTR 25' MIL-HDBK-470



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