

## Onboard MLS Gateway

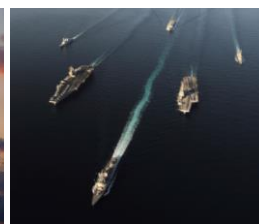
**Onboard MLS gateway ensures a cyber-secure, real-time interconnection of defense systems, with different worlds and levels of confidentiality.**

This onboard version of our multi-level secure gateway enables real-time authorized data exchange among partitioned domains.

Onboard MLS Gateway ensures the integrity of exchanged data and security of onboard connectivity.

This solution, resistant to external threats, guarantees the integrity of data exchanged within the chain of critical systems.

Designed to meet the requirements of embedded environments, the Onboard MLS Gateway is a modular for air, land and sea defense platforms.



Cyber-secured



Real-time processing



Complies with on-board standards

## Operational features



### Modular configuration:

- Data segregation configured according to operational needs and levels of confidentiality.
- Connection of 4 up to 10 domains, based on 2 up to 13 multiprocessors.
- Dedicated domains available for integrating operational applications, such as tactical data links (TDL), video processing, cyber defense and more.



### Operational readiness:

- Real-time data processing and availability.
- Integrity: ensuring secure access and sharing of crucial “authorized” information, protected against external intrusions.



### Sovereign design for mission-critical applications:

- 100% French solution, ITAR free.
- Evaluated by ITSEF\* according to Common Criteria (CC) EAL 3+/4+ evaluation schemes
- Designed for the **embedded** world: developed in compliance with DO178 and DO254 requirements.

# Technical information

MLS Gateway, a solution developed to meet the most demanding environmental constraints in aeronautics, offering the flexibility needed to adapt to air, land or sea environments.

## Standards

Operational safety	DO178 DO254 – DAL D
Safety – Common Criteria	Level CC EAL 3+

## Environmental qualifications

Electrical network accounting tests (steady-state, momentary, micro outages, subtransients, voltage peaks)	RTCA DO-160
Electromagnetic compatibility tests (Parasitic Radio Electric Energy Emission, Electro Magnetic Environment Susceptibility)	MIL-STD-461E
High-field susceptibility tests	DGT 86278A
Lightning tests	RTCA DO-160
Electrostatic discharge tests	MIL-STD-464A

## Technical features

Power supply	+28 VDC power supply
Technologies	Intel Technology  ARM Technology
Secure recording media	SSD AES256  Secure erase
Tactical interfaces	100/1000 Ethernet (cuivre et FO)  Discret I/O  Tactical buses - MIL-STD-1553B, Digibus  Vidéo – VGA, 3350B, PAL/NTSC, HD, ARINC 818
Connectivity	MIL-EN-4165

## Physical features

Architecture	VPX 3U conduction cooled
Width	124 mm
Height	194 mm
Depth	270 mm
Weight	8 kg
Qualification	TRL level 9 – Mission proven  Real system qualified by operational missions



Onboard MLS gateway, airborne version

