

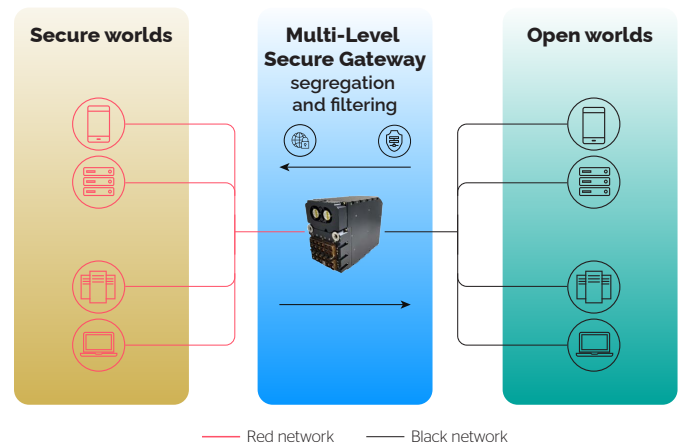
Atos Multi-Level Secure Gateway

Atos onboard Multi-Level Secure Gateway allows two-way communication between networks at heterogeneous classification levels.

- **Context:**
Air defense - combat, tactical and strategic missions, training, military transport.
- **Challenge:**
Collaborative combat and authorized data exchange between systems of different classification levels.
- **Main features**
 - Ensure the integrity of the data exchanged and the security of all onboard connectivity.
 - Guarantee the accessibility and secure sharing of crucial "authorized" information and guard against any external intrusion.
- **Main characteristics**
 - System developed, produced and integrated in France
 - Complies with Common Criteria EAL 3+ according to ANSSI
 - System with BIT self-test (built-in test)
 - Aircraft rugged embedded platform
 - Configurable according to customer needs
 - Specific onboard applications and functions (PikeOS®, Windows™, Linux, switch, Ethernet, tactical buses and video services)



Meets the Common Criteria EAL 3+



Environment and certification

Standards

Reliability	DO178 DO254
Safety - Common Criteria	EAL 3+

Environmental qualifications

Electrical network accounting tests (stabilized regimes, momentary regimes, micro outages, sub-transient voltage peaks)	RTCA DO-160
Electromagnetic compatibility tests (Emission of parasitic radioelectric energy, susceptibility to electromagnetic environment)	MIL-STD-461E
Test susceptibility to strong fields	DGT 86278A
Lightning tests	RTCA DO-160
Electrostatic discharge tests	MIL-STD-464A



Physical characteristics

Architecture	VPX 3U conduction cooled
Width	124 mm
Height	194 mm
Depth	270 mm
Weight	8 kg
Fixing and guiding	Fixing via 2 centering pins and 2 standard hooks for the ARINC chair

Technical characteristics

Alimentation	+28 VDC power supply
Computing power	Intel technology ARM technology
Secure recording support	Secure erase AES256 SSD
Tactical	10/100/1000 Ethernet interfaces (copper and FO) Discrete I/O Tactical buses - MIL-STD- 1553B, Digibus Video - VGA, 3350B, PAL / NTSC, HD, ARINC 818
Connectors	MIL-EN-4165
Reliability (in flight hours)	MTBF ₃ > 5,000 h
Integration	Naval and land version integration, request dedicated datasheets

For more information: defense@atos.net

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