



 Aeronautics and Space > Eurodrone

CDS Cross Domain Solution

Exchange of information between two networks with different level of classification

*Deployed in both **Eurodrone** airborne and ground segment
(same HW/SW, different configuration)*

Main Funtional Capabilities:

High security domain
remains isolated

Applications level
gateway

Innovative and
tailored solution for
aerial platforms

HW based on Airbone
encryption and SW
based on AUTEK
PSTGateways

Avionics certifications:
DO-178C, DO-254
DAL-D

Security certifications:
Common Criteria
EAL4+, CCN
TEMPEST level A

High assurance
compliance with
systems
interconnection
standars



Data flows:

Defined by configuration: direction (high-low or low-high), protocol, port, src/dest IP, etc...

Filtering based on two kinds of checks:

- Structured data: analysing the data itself.
- Labelled data: based on companion signature using NATO B-type crypto algorithms.

Structured Data exchange:

- UDP protocols.
- TCP protocols.
- HTTP protocols.
- Software loading protocols.

Labelled Data exchange:

- Generic file transfer using HTTP, HTTPS, FTP.
- Other custom protocols.

Form factor:

- ARINC600 3 MCU
- Weight: 4,5 Kg
- Power Supply: 28Vdc MIL-STD-704F and RTCA/DO-160
- Consumption: 45W nominal, 70W max
- Non-Operating Temperature: -55°C to +85°C
- Operating Temperature: de -40°C a +70°C
- Certification according to DO-160G

**We accompany
you throughout
the entire product
life cycle**



Design



Development,



QUAL & CERT,



Manufacturing,



In-service support,



Enhancements



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