



 **Aeronautics and Space**

Multiplatform tactical crypto

Cerberus is a multiprotocol (voice/data and IP) crypto device for airborne, naval and land tactical secure applications.

Suited for next-generation airborne platforms as well as for existing platforms retrofit.

Main Functional Capabilities:

Voice, serial & IP data
encryptor with NATO
interoperable
standards
(STACIS, NINE)

Secured
communications
up to NATO SECRET

Compliant with
NATO's crypto
modernization and
interoperability

Capability to handle
different levels of
classification within
the same system

Security certifications:
Common Criteria
EAL4+
TEMPEST level A

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

Technical characteristics:

Form Factor: ARINC600 3MCU

Power Supply: 28Vdc MIL-STD-704F

Front panel Connectors: MIL-DTL-38999

Op. temperature: from -40°C to +70°C

Storage temperature: - 55°C to +85°C



External interfaces :

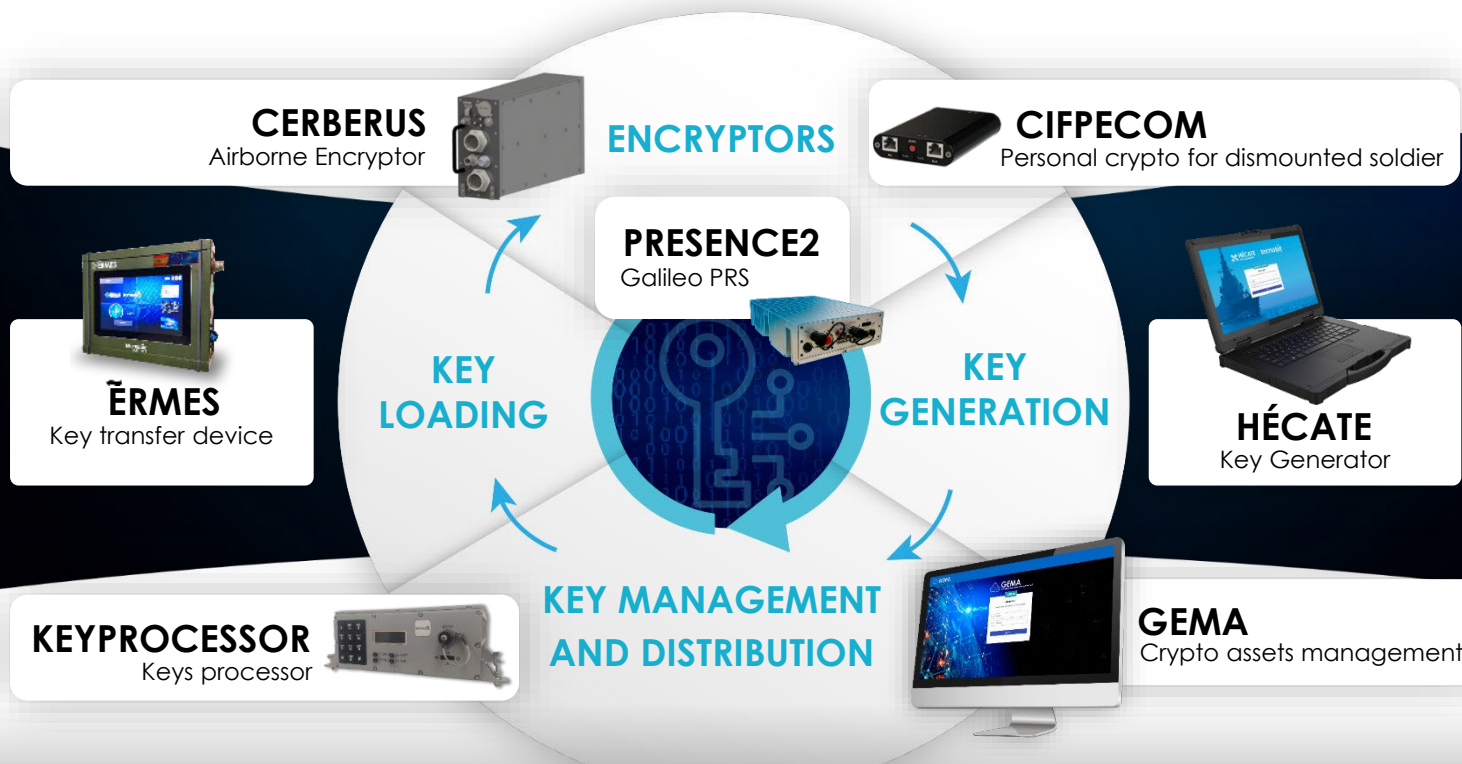
- Ethernet (black/red)
- 2x analogue audio channels
- serial port
- DS-101 Port
- Zeroized
- CIK (Crypto Ignition Key)

Operational Modes:

- SCIP 214.6 (STACIS)
 - NB 2k4 analogue Voice and serial
 - WB 16K analogue Voice and serial Data
- Digital Voice over Ethernet (STANAG 5634) with SCIP 214.6 NB 2K4
- IP Data – NINE Radio Tactical Profile
 - Tunnel and transport mode
 - Manual SA with PPK
 - Implicit/Explicit IV
 - With and without UDP encapsulation
 - IP packet fragmentation

Main Ancillaries:

Key Loader - Standard DS101 and configuration tools to generate missions and keys



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