

Secure Communications

cipherbit
grupo oesía

CERBERUS

Multiplatform tactical encryptor. CERBERUS is a multiprotocol (voice/data and IP) crypto device with NATO interoperable standards (STACIS, NINE) for airborne, naval and land tactical secure applications



Decades of experience
in classified information
encryption and keys
management for the
defense sector

Maximum security over the complete lifecycle of the keys



CERBERUS
Cifrador embarcado

Security certifications:
Common Criteria
EAL4+
TEMPEST level A

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

Compliant with
NATO's crypto
modernization and
interoperability

Main Ancillaries:

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

Specifications:

- 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

CERBERUS is an airborne encryptor that can be deployed in vehicles across all domains



Land



Naval



Airborne



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[Secure Tactical Communications](#)

