

DEFENCE AND SPACE
Cyber

MicroCrypto

Secure every bit

AIRBUS

A complete communication security solution

MicroCrypto addresses a **critical market gap** with innovative low Size, Weight, Power, and Cost (SWaP-C) encryption solutions. Purpose-built **for military communications and commercial applications**, MicroCrypto **protects sensitive information** across tactical operations, infrastructures, public safety and more.

This UK engineered, software-defined, hardware-underpinned system delivers AES-256 encryption for non High-Grade communications below Secret classification. MicroCrypto is specifically designed for the **growing uncrewed systems market**, including **drones, ground systems, surface vessels and sonobuoys**, where traditional High-Grade cryptography solutions prove impractical. By balancing security with performance optimisation, MicroCrypto keeps **communications protected** without compromising operational effectiveness.

KEY FEATURES



Range enhancing

Same power, longer range. Experience our exclusive data link **"Range Advantage"**.



Endurance

Go further on every charge with MicroCrypto's **"Endurance Advantage"**.



Anti-track

Shield your data from exposure. Security without compromise with our **"Anti-Track Advantage"**.



Simplified

Enterprise-grade security without the complexity. Simple deployment, minimal management.



Adaptable

Any radio, our encryption. **Freedom to choose** hardware **without sacrificing security**.



Attritable architecture

Cost-effective design suitable for disposable platform deployment.



Identity protection

Prevents adversary exploitation of user identities and patterns of life.

Technical specifications

- AES-256 encryption: robust security for tactical communications
- Data rates: rates up to a maximum of 1 Mbps via configuration
- Operational temperature range: - 40 to + 70 °C
- Security: settings are configurable by key
- Weight: PCB less than 10g, optional enclosures
- User configurable keys
- Supply voltage: 1.8 to 5 V DC
- Power: 0.03 W typical
- Dimensions: 50 × 30 × 10 mm (excluding cables)



Airbus Defence and Space

France, Germany, United Kingdom, Spain

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