

MicroCrypto

SECURE EVERY BIT

COMPACT, COMPLETE, COMMUNICATION SECURITY

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, infrastructure, 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.



RANGE ENHANCING

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



ENDURANCE

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



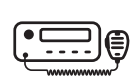
ANTI-TRACK

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.

TECHNICAL SPECIFICATION

GENERAL	
ENCRYPTION	AES-256, user configurable keys
DATA RATES	Rates up to a maximum of 1Mbps via configuration
OPERATIONAL TEMPERATURE RANGE	-40 to +70 °C
SUPPLY VOLTAGE	1.8 to 5 V DC
POWER	0.03 W typical
SECURITY	Settings are configurable by key

MECHANICAL	
DATA INTERFACE	Optional: <ul style="list-style-type: none">• USB 2.0 via USB-C• Nett Warrior compatible smart ports• Serial Peripheral Interface (SPI)• UART
DIMENSIONS (EXCLUDING CABLES)	50 x 30 x 10 mm
WEIGHT	PCB less than 10g, optional enclosures
COLOUR	Optional
DISPLAY	Optional
ROHS/WEEE COMPLIANCE	Yes. 100% Recyclable/Biodegradable packaging