

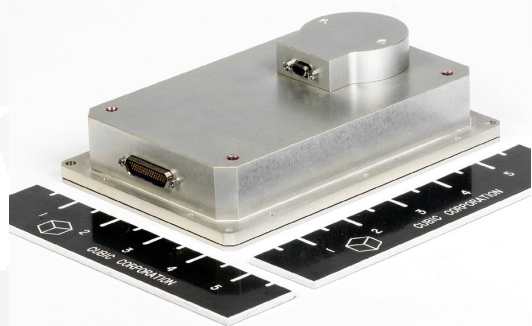
CUBIC MINIATURE ENCRYPTOR (CME)

Cubic's Miniature Encryptor (CME) is a multi-level encryptor developed to solve the information assurance deficiency for U.S. Air Combat Training Systems (ACTS). Currently, no encryption device meets all of the ACTS requirements, resulting in serious impact to ACTS advanced weapons training.

Cubic is working with our U.S. Air Force and U.S. Navy customers to provide a solution to this problem. Cubic invented Air Combat Maneuvering Instrumentation (ACMI) in the 1970s and has been fielding ACTS for over thirty years. Using this experience, Cubic designed the CME as an affordable solution specifically suited to the air combat training environment. Additionally, the CME supports multiple (4+) enclaves for Live, Virtual and Constructive (LVC) training.

Physical Characteristics

- Size 3.5" x 1.2" x 6"
- Weight .95 lbs.
- Power < 1.5 W



Key Features

- Multi-level Type-1* encryption module to protect sensitive ACTS data including weapons, sensor, threat and control data needed to provide interoperable training among diverse airborne and ground platforms
- Demonstrated interoperability with existing P5 CTS/TCTS hardware, minimizing risk, cost and schedule
- Built using commercially-available components
- Hardware-based design for low-latency and high-throughput
- Trusted Guard for cross domain functionality
- Small volume and unique form factor to fit within multiple training participant platforms (including pod, internal-mount, and rack-mount configurations)

Additional Benefits

- Protects data for Live, Virtual and Constructive (LVC) training
- Enables realistic and interoperable training between fourth and fifth generation aircraft
- Dual-function as a data guard allows a phased implementation to enhance existing systems
- Adaptable to all Air Combat Training Systems
- Designed to be exportable for coalition training worldwide