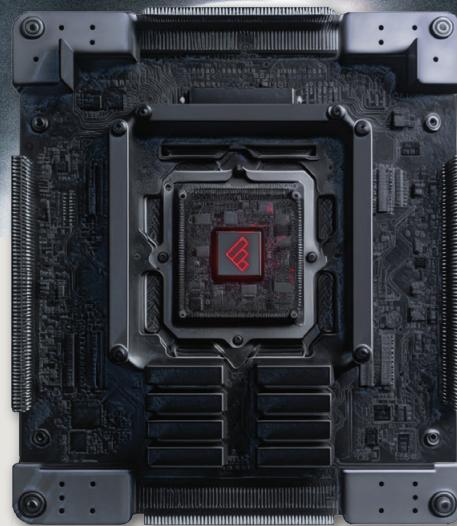


OCTRA

ONE CHIP TO RULE them ALL

» OPEN ARCHITECTURE / EASE OF INTEGRATIONS

- OCTRA is being built to adhere to MOSA, SOSA, WOSA, Weapons GRA, and Mod Payload specifications; openness as a virtue with a steady march toward all applicable compliance metrics.
- Nixed are the licensing fees, software licenses, and vendor lock approaches implemented for decades – long live open ecosystems!



» POWERFUL COMPANION COMPUTE

- OCTRA provides default Nvidia Jetson Xavier NX or Orin NX SOMs with 21 and 100 TOPS performance, respectively.
- Firestorm partners with numerous software providers to implement their products on the OCTRA platform.

» FLEXIBLE POWER MANAGEMENT

- The variety of voltage and current requirements in the electrified sUAS space is wide-ranging and broadening.
- Power management boards need to be flexible and extensible enough to allow for numerous integrations.

» I/O FOR ALL USE CASES

- Most I/O boards in the sUAS space are built for quadrotors with limited sensors. More complex systems require extensive sensor suites which quickly consume all available connections.
- OCTRA is built off of years of research into the requisite needs of ever-changing sUAS operations in environments around the world.

» REDUNDANT FLIGHT MANAGEMENT SYSTEMS

- Near-peer environments necessitate redundancy; systems must be able to degrade gracefully and without catastrophic loss.
- Harsh EMI situations can ground or down non-hardened aircraft, rendering them useless.

» Low SWaP for Group 1 - Group 3 UAS

» Power management for broad applications

» 21 - 100 TOPS AI perfomance

» Redundant FMSs

» Modular, fully-scoped PCBA stack

OCTRA will result from years of research and development in the sUAS segment. Autonomy engines require modularity in both HW and SW to be relevant in the future of robotic-assisted warfare. OCTRA's board stack delivers all that the vast majority of performant, defense-focused fixed-wing sUASs will require to perform their missions across the spectrum of battlefield environments.

OCTRA is empowered by and leverages Firestorm's SparkSDK, APIs, and EmberCore middleware to accelerate payload and sensor suite integrations, delivering the next generation of an all-encompassing flight controller, mission computer, AI-empowered autonomy engine, and vehicle management system (VMS).