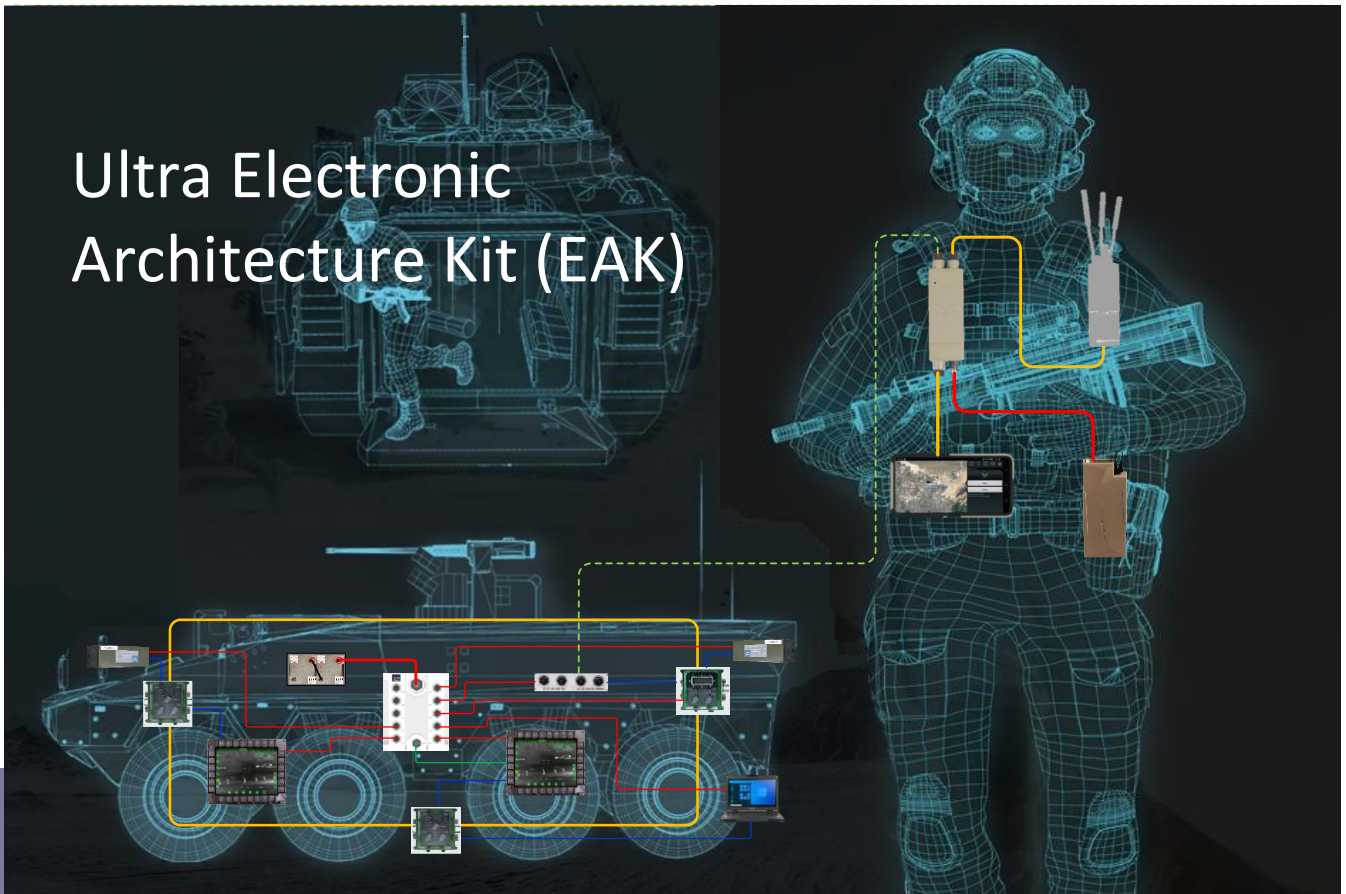# ULTRA. | PCS

Ultra Electronic Architecture Kit (EAK)

- Electronic Architecture KIT Ultra EAK
Truly open, modular & scalable Data and Power for Soldier and Platform

Features

- Electronic Architecture solutions – Soldier and Vehicle
- Power Management
- Networking
- Edge computing
- System integration
- Platform Gateway Interface – Ultra PGI
- Soldier worn software defined Hubs – UltraLynx
- GVA compliant
- GSA compliant
- Integrated Power and Data distribution from Platform to Soldier

The concept for the UltraEAK system is a modular set of COTS / MOTS hardware, including power distribution, screens, processors, networking and sensors / effectors, which when combined deliver integrated Platform and Soldier mission systems.

The mission system software is delivered by through the UltraPGI software, reusing modules/plug-ins developed from previous projects/ vehicles and only developing new modules where a new feature / vehicle is encountered.

The UltraPGI software is supplied with an open architecture API allowing vehicle integrators and third party manufactures to write plugins to integrate equipment into the EA.

UltraLynx Miniature rugged soldier worn hubs provide scalable and flexible open architecture that allows simplified integration of devices that were never designed to work with each other.

UltraLynx enables Power distribution to connected devices from a central power source can be monitored and controlled through the built-in web-based user interface.

Interoperability between the Vehicle and the Soldier is achieved using the vehicle mounted Infantry Power and Data Unit (IPDU)

Software defined capability aids interoperability and enables USB driver offload, network routing, middleware deployment on the hub.