Modular Active Protection System (MAPS) Base Kit

Open-architecture APS foundation for ground platforms operating in any environment

LOCKHEED MARTIN

MODULAR ACTIVE PROTECTION SYSTEM (MAPS) BASE KIT

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NEXT-GENERATION OPEN ARCHITECTURE ARMOR PROTECTION

As the backbone of the U.S. Army's Modular Active Protection System (MAPS) framework, Lockheed Martin's MAPS base kit offers automatic, next-generation survivability for ground combat vehicles and crews. The base kit integrates sensors and countermeasures in an open, common framework to detect, track, classify and defeat existing and emerging threats like rocket-propelled grenades and anti-tank guided missiles.

The open and scalable MAPS base kit is designed to grow with current combat vehicles and support future vehicle protection system capabilities. It enables users to:

- Meet emerging threats by changing only the components necessary to defeat them... and keep one step ahead of adversaries
- Upgrade at the component level to reduce developmental cost, extend system life cycle and promote best-of-breed solutions by avoiding vendor lock
- Add new or improved components to all MAPS-enabled platforms to lower risk and maximize development investments

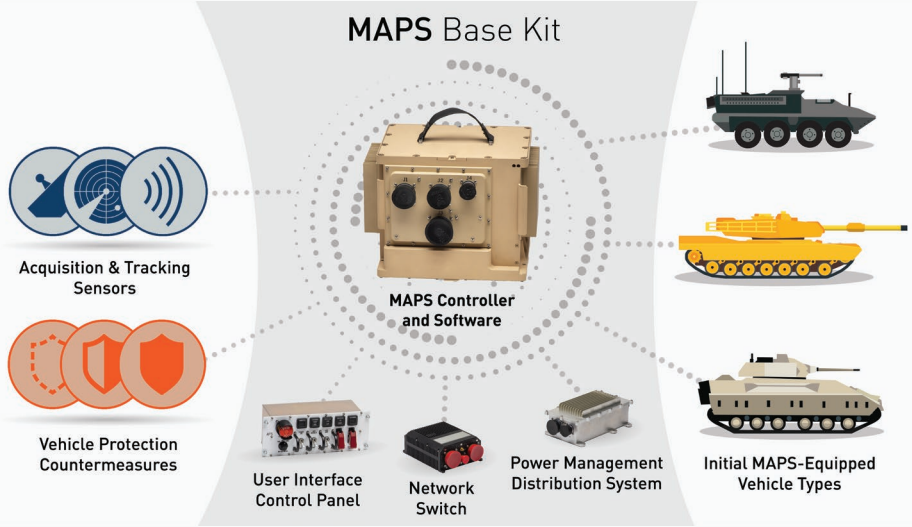
The open architecture design of the MAPS Controller enables users to adapt rapidly to ever-evolving threats on the battlefield.

DESIGNED FOR TODAY AND TOMORROW

The open-architecture controller at the core of the base kit features open standard interfaces and readily incorporates sensors and countermeasures compliant with the MAPS framework. It provides fast and secure processing power to drive multiple applications and future vehicle protection system capabilities.

CONTROLLER FEATURES

- Open architecture readily integrates with current systems
- COTS-based components support future upgrades
- Supports rigorous safety standards and cybersecurity
- Convection-cooled chassis (liquid-cooled option)
- 5 payload slots – 3U VPX format
- I/O panel – Configurable for multiple functions and protocols
- Data storage; user interfaces; power distribution



The MAPS open standards-based framework allows users to interchange APS sensors and countermeasures without proprietary interface restrictions.

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