

NIGHT COVER™

# MULTI-LAYERED APPROACH

## Embedded security technologies

Collins Aerospace Night Cover offers a defense-grade, embedded secure product suite that addresses many of the security issues found in systems today. Consisting of hardware, software and firmware products, our patented Night Cover technologies enable a multi-layered approach to protecting commercial off-the-shelf (COTS) devices, such as field-programmable gate arrays (FPGAs), application-specific integrated circuits (ASICs), system-on-a-chip (SoC) devices, general processors ( $\mu\text{P}/\mu\text{C}$ ) and graphics processing units (GPUs).

Our Night Cover security suite components use standard processes and primitives to build security architectures that create system solutions with maximum compatibility.

Modules within our security suite focus on various aspects of embedded design security. State-of-the-art COTS solutions can be incorporated rapidly with a consistent security posture across deployed systems. This enables the extension of security (EoS) from a trusted module to additional COTS components within a system.

## KEY FEATURES AND BENEFITS

- Defense-grade security for COTS products
- Enables EoS or can support the RoS use case
- Chip-level protections for varying ICs
- Self or remote digital attestation
- Design integrity sensing
- Configurable policy engines
- Easy integration with modularity and abstraction
- Low system overhead and life-cycle costs



## ENABLING PERFORMANCE AND SECURITY

Night Cover's innovative implementation of EoS ensures that standard COTS modules can be interrogated to verify unique identities and security states prior to use within a system. This can free system developers and architects from using outdated, custom solutions within a system design. System security architectures remain in sync with the latest high-performance offerings from commercial vendors. Through EoS, new and mature systems can lower overall life-cycle costs by capitalizing on the economies of scale that COTS devices provide.

## NEVER GET LOCKED IN

Although our Night Cover technologies are patented, users will never get locked into closed or proprietary standards because open standards, abstracted APIs and modularity are key design elements. Each solution is designed to provide maximum COTS compatibility, low system cost and ease of maintainability. This approach ensures security architectures evolve with the system needs over time.



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**COLLINS AEROSPACE**  
2000 E. El Segundo Blvd.  
El Segundo, CA 90245  
nightcover@rtx.com  
collinsaerospace.com