

MORE CAPABILITIES. ENDLESS POSSIBILITIES.

Supporting aerospace technology –
today and tomorrow



POWERFUL, FLEXIBLE AND SCALABLE

ADVANCED, HIGH-SPEED COMPUTER TECHNOLOGY

Aerospace technology grows more sophisticated each day, requiring more powerful and configurable information processing capabilities. Meet Perigon™. Collins Aerospace high-power flight control and vehicle management computing solution. Through advanced computing power, open-system architecture, and flexible configurability, Perigon™ is designed to support the future of aerospace computing needs across a broad range of applications.

Collins flight control computers are currently on thousands of military and commercial rotorcraft worldwide. With twenty times more computing power than our current flight control computers, Perigon™ offers a more scalable, highly configurable, next-generation solution with deeper system integration and cross-functionality. From cybersecurity to Future Vertical Lift, Perigon™ offers a broad range of capabilities on various platforms including rotary or fixed-wing aircraft.

Perigon™ delivers advanced architecture that can run a multitude of applications, potentially combining and streamlining electrical boxes, reducing the amount required and potentially saving space and weight on your aircraft. As the aerospace industry matures to more autonomous flight, Collins customers require more computing power, greater flexibility and unmatched redundancy for their flight control and vehicle management – and Perigon™ delivers it all.



A NEW GENERATION OF HIGH-POWER COMPUTING

Perigon™ is a scalable high performance solution that offers more capabilities for future aerospace computing across a broad range of applications.

Our triple redundant multi-core processor modules and open system architecture opens the door for many new capabilities in the future. Whether configured with one processor or three, the opportunities Perigon™ provides is endless.

APPLICATIONS

Perigon™'s advanced computing enables:

- Future Vertical Lift
- NGAD fighter
- Autonomous flight
- Flight control
- Cybersecurity
- Prognostic health monitoring
- Systems management



KEY FEATURES AND BENEFITS



20x more computing power than our current FCCs



Up to 3 dissimilar, high-integrity multi-core processor cards



High-speed digital data transfer



Open architecture capable of hosting complex applications, such as:

- Autonomy (pilot assist, UAV mode and DVE operation)
- Flight control



Enhanced cross-functionality



Streamlined aircraft operations



Potential space and weight savings



Designed for the demands of modern military applications and is FAA certifiable for commercial use

To learn more, go to

→ collinsaerospace.com/perigon

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