



NEWS RELEASE

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Curtiss-Wright Introduces V3-1223: Rugged, Safety Certifiable High-Performance Avionics Computing Module

The V3-1223 gives modern aircraft a safety-certifiable compute foundation for mission systems today and platform upgrades tomorrow.

Today's defense platforms are increasingly complex and have a high reliance on the safety, security and integrity of the systems that process the vast amounts of data generated onboard. Combined with the rapidly increasing use of autonomous platforms and operation within commercial airspace, most defense platforms and their systems must now meet the same stringent safety certifications as commercial aircraft. Systems previously not considered safety-impacting have become mission critical and must now meet the same requirements as other flight safety critical systems.

Being able to certify these systems and reduce the time to deployment presents a significant challenge to systems integrators.

Curtiss-Wright is addressing this challenge with the introduction of the newest safety-certifiable processor card in its 3U OpenVPX and SOSA aligned processing lineup. The V3-1223 rugged, 14-core Intel® Core™ i7-1376PRE avionics computing module is designed for defense and aerospace systems that require high-performance processing and support for system certification up to Design Assurance Level A (DAL A). The V3-1223 combines high-performance computing and graphics to provide a low-risk, low-cost, rapid path to deployment for critical defense and aerospace platforms. Supported by the major safety certifiable aerospace and defense real time operating systems

providers, and Curtiss-Wrights COTS safety certifiable evidence, the V3-1223 accelerates the deployment of certifiable systems.

Built on Curtiss-Wright's proven V3-1222 architecture, the V3-1223 adds an XMC expansion site to allow platform specific capabilities including avionics interfaces, sensor inputs, storage modules to be added without significantly impacting SWaP.

The V3-1223 is designed for applications where certification, performance, and flexibility are equally important, including:

- Digital cockpit systems
- Mission Computers
- Display Computers
- Flight control computers
- Sensor fusion systems
- Navigation and surveillance systems
- Radar and mission computing
- Autonomous aircraft platforms

Whether forming the safety certifiable processing subsystem of a new platform or enhancing the safety of an existing platform, the V3-1223 provides the ability to meet today's safety requirements faster than previously possible.

For additional information about Curtiss-Wright's safety-certifiable products, please visit [Safety Certifiable | Defense Solutions | Curtiss-Wright](#).