



COTS DAL Certifiable BuiltSAFE Building Blocks



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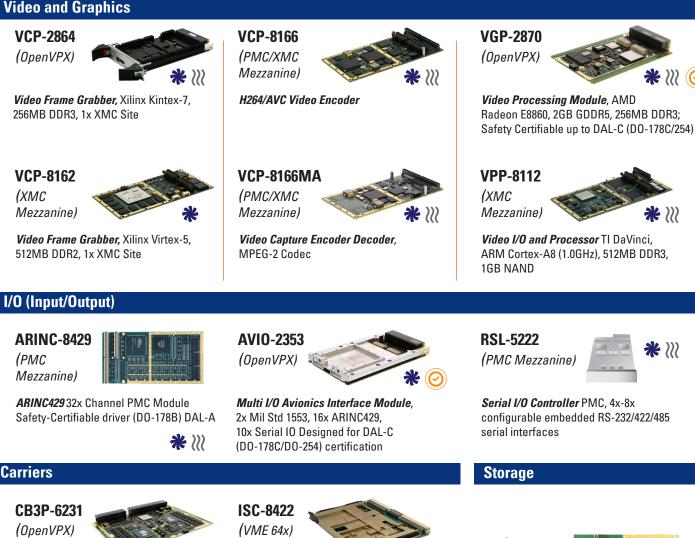
Mercury Mission Systems' expertise and experience in Design Assurance Level (DAL) safety certifiable solutions has been built on successful execution on dozens of programs over three decades. This domain knowledge is the foundation of our safety-certifiable BuiltSAFE modules, systems and software for avionics, communications, video servers and mission computing. Our latest rugged, safety certifiable building blocks have backwards compatibility and are designed with a top-down approach for interoperability and ease of pre-integration.



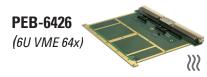
Differentiated Software

Mercury provides the most comprehensive suite of software on all our boards. Our BSPs, include certifiable boot and data loaders, certifiable and continuous BIT and board level health-monitoring to reduce system integration development time and risk.

Our safety certifiable graphics libraries are available for CPUs and GPUs. Mercury BuiltSAFE Multi-Core Renderer runs on one or more CPU cores. and is certifiable to the highest DAL levels. BuiltSAFE OpenGL Libraries run on GPUs for the highest graphics performance in a certifiable system.



PMC/XMC Carrier Board, with 32 lane PCIe Gen 3 Switch

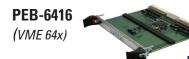


User-Programmable Carrier with 32x - 48x user-specific I/O lines, 2x PMC/PrPMC sites





Dual PMC/XMC Carrier Board, with PCIe to PCI/PCI-X bridge/switch



Dual PMC Carrier Board, with User Programmable I/O interfaces **FDISK-8432** (XMC Mezzanine)



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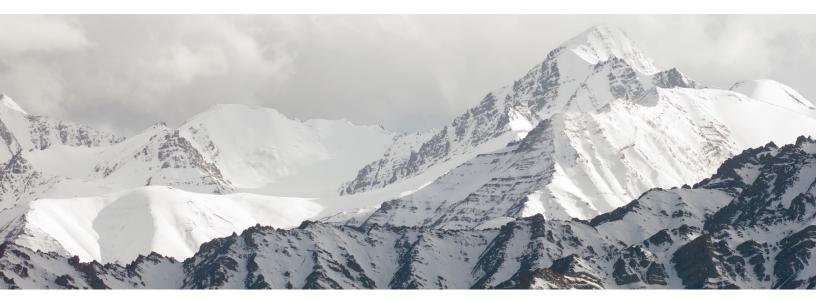
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 \mathcal{W} Flash Disk Storage Module, with ECC Protection, 256GB High Throughput

Services

Our in-house flight safety certification experts are available to provide certification services for hardware, software, and systems. We have extensive European Aviation Safety Agency (EASA), Federal Aviation Agency (FAA), Joint Aviation Authorities (JAA) and Transport Canada experience and a wide portfolio of building blocks, interfaces, software and safety certifiable fabrics/buses, making Mercury solutions the lowest risk.



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