



Orchid Technologies mission critical in-flight redundant avionics. Ruggedized for high-vibration service.

“Aviation electronics designed from the ground up by Orchid Technologies is top in its class. Thanks OTEC for making this tough job work out so well.”

*Hardware Development
Product Manager*

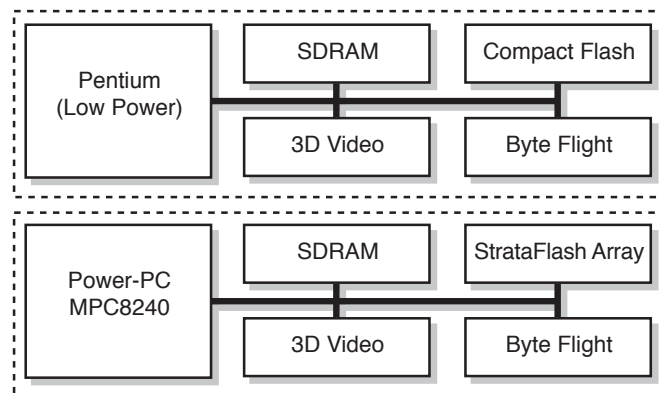
Avidyne Technologies, a world-class leader in Aviation Electronics hired Orchid Technologies to design its newest DO-160 approved avionics processors. Working closely with high-performance microprocessor technology from Intel and Motorola, Orchid crafted a feature-rich, two-board, redundant avionics architecture.

Avionics Twins

Demanding FAA requirements dictate dissimilar microprocessor fail-over architecture in state-of-the-art DO-160 approved avionics. Meeting that requirement, Orchid designed a set of Avionics Twins: one based on a Power-PC MPC8240/5 processor, the other based upon a Low Power Pentium processor.

3D Video with Opened GL

Moving-map technology requires state-of-the-art 3D video animation. Redundant video output to LVDS flat-panel display screen provides high-performance in-flight display.



Compact and Rugged

This twin board set soars with features. On-board flash array, Compact Flash Disk support, octal UART channels, 3D-Video Acceleration, LVDS Outputs, PC104 support, Byteflight support, ruggedized power.

Top Flight Engineering

Orchid Technologies can tackle your challenging custom electronics design needs. Orchid Technologies' experienced design engineering team is ready to design a

