

# Endura™ Space Products

## 3U CompactPCI® single-board computer



The 3U CompactPCI® single-board computer (SBC) employs the RAD510™ system on a chip (SoC) featuring a radiation-hardened RAD5500™ processor core, built on Power Architecture® technology.

The Endura SBC is a modern alternative to the RAD750® SBC product line, delivering SBC double the RAD750 performance for similar power.

The RAD510 SoC delivers state-of-the-art radiation-hardened processing via a high-performance PCI version 2.2 backplane bus-compatible SBC in a 3U profile.

### Key features and benefits

- RAD5500 processor core operating frequency ranges from 66MHz to 462MHz, supporting both low-power and high-performance applications for enhanced versatility.
- Non-volatile and volatile memory protects and maintains data in the most demanding environments.
- 26 programmable inputs, outputs, and interrupts provide customers with the flexibility to optimize their mission needs.
- Adaptable non-volatile memory configuration to meet mission needs.
- 4 accessible ports from the 8-port SpaceWire router supports high transmission speeds of data, up to 396Mbps on each link.
- Error correction on all internal RAD510 SoC memories including L1 and L2 caches for robust and dependable execution.
- VxWorks 7 Operating System support with complete Board Support Package (BSP) and RAD510 SoC device drivers.