

RES-XR6 Alliance Servers: Bringing Hyperscale Data Center Processing to the Edge



Features

- HPE's most mature and widely deployed data center server platform, ProLiant, and its market-leading technologies
- HPE specializations and threat-protection enhancements including iLO 5, HPE silicon root of trust, core boosting, workload matching and jitter smoothing
- High availability and single-point-of-failure prevention with redundant processors and memory
- TAA-compliant components and firmware

Benefits

- U.S.-designed/TAA country-of-origin motherboards, BMC (iLO 5) and firmware
- Supply chain integrity including NIST 800-53 Supply Chain Security and DFARS counterfeit requirements to component manufacturers
- Scale HPE infrastructure and feature sets from the data center to edge/defense applications

Applications

- Command, control, communications, computers, intelligence, surveillance, and reconnaissance (C4ISR)
- Artificial Intelligence (AI)
- Electro-Optical (EO)/Infrared (IR)
- Sensor Fusion/Processing
- Signal Intelligence
- Exploitation
- Cognitive Electronic Warfare (EW)

Support

- 36-month warranty for service/repairs and continuous support included

Available Deliverables

- RES-XR6 Alliance 2U RIO
- RES-XR6 Alliance 2U FIO
- RES-XR6 Alliance 1U RIO
- RES-XR6 Alliance 1U FIO

Standards Compliance

- Certified to MIL-STD 810G, 901D, 167-1

The power of HP Enterprise solutions meets the rugged, trusted, mission-critical technologies of Mercury Systems in the RES-XR6 Alliance servers.

Scalable Infrastructure and Improved Performance

Easily scale existing HPE infrastructure from the data center to the edge with field-proven, compact form factors featuring HPE components from one of the most widely deployed server platforms in the world and Integrated Lights-Out firmware (iLO). Mercury's RES-XR6 Alliance servers accelerate workloads at the edge by leveraging technology proven in hyperscale data centers, improve performance and lower latency, and help prevent failure in the field through memory sparing and a built-in processor. To ensure uptime, availability and sustained optimal performance in any environment, servers are certified to multiple military (MIL-STD) and commercial (IEC) environmental specifications.

Enhanced Threat Protection

The HPE iLO 5 chip, with silicon root of trust, protects servers from attacks, detects potential intrusions and enables secure firmware recovery to the last known good state. Server Configuration Lock enables the system configuration to be locked using a BIOS password, ensuring secure transit.

A Trusted Platform Partner

Partnered with industry leaders such as Intel, NVIDIA and HPE, Mercury delivers the latest technology in trusted and reliable rackmount form factors that are built to operate in the most challenging environments. To maintain supply chain integrity, RES-XR6 Alliance server components are shipped directly from HPE's secure facilities utilizing tamper-evident seals and tracking. HPE ProLiant components are Trade Agreements Act (TAA) compliant and can be assembled in HPE's secure U.S. facility with TS/SCI-cleared personnel upon request.

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