

RE4100 SERIES

DISCRETE ULTRA-COMPACT, HIGH-PERFORMANCE DENSITY EDGE COMPUTE

The RE4100 series is designed, manufactured, assembled, and tested in the USA. This configurable product has a custom form factor for use in a pod, such as a DLQ-9. It has been designed to survive extreme vibration and environmental conditions, while following leading-edge CPU and GPU roadmaps to ensure access to the latest, most powerful silicon chipsets and processors. Our integrated solutions are certified to strict industry standards and bring autonomy, and cybersecurity to demanding edge applications. This system also delivers efficient, high-performance mission computing, storage, layer 2+ switching, and encoding capability.



Mechanical specs

- Height: 7"
- Width: 8.45"
- Depth: 25"
- Weight: 34 lbs
- Power: 800 WAC

Key features

- CPU architecture: Single socket Xeon 6 processors with up to 144 cores
- Memory: Up to 2TB 5600MT/s ECC DDR5 RDIMM
- Expansion slots: 1x PCIe 5.0 x16 HHHL slot(s)
- Drive bays: 8x front removable bays for 2.5" Gen 5 NVMe U.2/U.3 drives with industry-available capacity (e.g. 490TB when utilizing 60TB drives)
- Operating temperature: -40C to +55C
- Solutions meet or exceed IEEE, IEC, and military standards, including MIL-STD-810, 167-1, 461, and MIL-S-901
- Purpose built for NIST 800-90A/B/C compliance

Designed to MIL-STD-810



Humidity



Salt Fog



Shock



Electromagnetic
Compatibility



Vibration



Sand Dust



Fungus