COBALT™ RR-2500











- > Single-socket 4th/5th generation Intel® Xeon® SP / AMD EPYC™ 9004/9005 processors
- Designed to meet extreme temperatures, shock, vibration, high altitudes and more
- **)** Up to 6x front access, hot-swapable and tool-less U2/U3 NVMe SSDs
- ▶ Up to 7x PCIe expansion slots for flexible I/O acceleration
- Long lifespan
- ITAR Free



Opening the door to new possibilities

Very few high-end servers can withstand the higher operating temperatures required for demanding applications to run reliably in harsh environments and fit into a constrained space or unconventional cabinet. This is where the CobaltTM RR-2500 rugged rackmount server shines. Kontron's compact 2U, 20-inch-deep platform opens the door to high performance compute in true Edge environments, way beyond the common server can.

Cobalt ™ RR-2500 Product Overview

Designed to meet NEBS/ETSI and MIL-STD 810/167/461 certifications, the Cobalt™ RR-2500 supports any fixed wireless or mission-critical use case that requires High Availability. Operators in military and defense can rely on a ruggedized yet sophisticated, highly available server unsusceptible to dust, elevated altitudes, extreme temperatures, and vibrations. Any demanding application for Al Inference, High Performance Computing (HPC), Security, Data Analytics, Disaster Recovery, and other services, paired with the Cobalt™ RR-2500 bring workloads previously limited to centralized, datacenter-like environments – to the network edge.

The 7 – 10 year lifespan of the CobaltTM RR-2500 ensures consistent performance and stability longer than the standard 3 – 5 year server does. This deepens compatibility and integration with existing infrastructure and reduces the frequency of replacements and

maintenance, leading to decreased CAPEX and OPEX expenses and increased cost efficiency within organizations. Beyond the end-of-life date, dedicated Long Term Services are available to guarantee procurement, inform of significant evolutions of monitored frozen configurations, and propose best strategies to protect the future.

The CobaltTM RR-2500 rugged rackmount server combines performance, ruggedness and reliability in a compact, high-density system design supporting 4th/5th generation Intel® Xeon® SP and AMD EPYCTM 9004/9005 processors and and up to 8x DDRS DIMMs (one DIMM per channel). Its High Availability capabilities are due to state-of-the-art features including hot-swappable and redundant power supply modules and fans, up to 6 x hot-swappable U.2/U.3 NVMe SSDs, and 2 x M.2 NVMe internal storage SSDs or 2280 flash storage support. For added versatility, the CobaltTM RR-2500 bolsters up to 7 x PCIe accelerator cards. For advanced power management, any PCIe card that consumes more than 75W, such as a GPU, can be directly fed by an internal power distribution board of the CobaltTM RR-2500 makes it compatible to a variety of operating systems.

Designed and manufactured in Canada, Kontron Cobalt $^{\text{TM}}$ RR-2500 is ITAR and BAFA free.

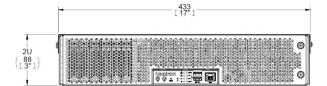




SERVER-CLASS MEMORY ARCHITECTURES AMD EPYCTM AMD EPY
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Tested ESD levels up to 15kV air discharge and 8kV contact discharge
ROHS Compliant to RoHS Recast Directive 2011/65/EU
· ·
CERTIFICATIONS and US/CANADA CSA Certified to UL 60950-1 2nd Edition and CSA C22.2
COMPLIANCES No. 60950-1-07 2nd Edition
EUROPE CE mark to Low Voltage Directive 2014/35/EU and EN 62368-1
INTERNATIONAL CB report and certificate to IEC 62368-1

^{*} Depending on operating temperature target.







Your Contact

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