E4 Opens ARKA Server Orders

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Italian high performance computing (HPC) and datacentre hardware solution vendor E4 Computing Engineering starts taking the first orders for Cavium ThunderX-based ARKA servers.

ARKA servers are designed for cloud, big data and HPC workloads, and combine ThunderX 48-core ARMv8 CPUs with one or more Nvidia Tesla GPU accelerators within modular rack-optimised architecture.

E4 customers include the likes of CERN and ENEA, with applications including the processing of data from the Large Hadron Collider and wave modeling in the Mediterranean sea.

According to the company ThunderX SoCs are ideal for such systems, having 48 custom cores, high memory bandwidth and capacity, onboard workload accelerators and integrated network and storage capability. The addition of energy efficient Tesla GPU accelerators allows for best-in-class performance with lower costs and power consumption than comparable systems.

"We wanted powerful and highly-scalable CPUs for our new ARKA servers, that deliver outstanding performance combined with reduced TCO," E4 says. "We chose Cavium and ThunderX, and customers are already buying these new servers based on the increased value they bring."

Go E4 ARKA Series