

Preliminary Product Brief

Excalibur™ Series E6740

Built for mission-critical AI, imaging, simulation, C4ISR and data-intensive workloads that require dual-processor performance, dense GPU acceleration and scalable I/O in a 4U platform.



Features:

- Dual Intel® Xeon® 6 processor 4U platform for demanding AI and high-performance compute workloads
- GPU-dense architecture supporting up to eight dual-slot NVIDIA® GPUs or Intel® Gaudi® AI accelerators
- High-expandability design with dense storage, high-speed networking and PCIe Gen5 options

CPU	Dual Intel® Xeon® 6th Gen Processors
Graphics	Up to 8 dual-slot high-end NVIDIA® data center/workstation GPUs or Intel® Gaudi® 3 PCIe AI Accelerators
Memory	32x DIMM DDR5 (16 per CPU, 4TB MAX)
Internal Bay(s)	N/A
External Bay(s)	8x 2.5" SATA/SAS (front)
Rear I/O	2x RJ45 (10 GbE) - Optional 1x dedicated IPMI RJ45 (1 GbE) 1x USB 3.2 Gen1 (Type A)
Front I/O	2x USB 3.x (Type A)
Expansion	8 x PCIe x 16 for dual-slot GPU cards (Gen5 x 16 link, FHFL) 5 x PCIe x 16 for NIC/ BlueField-3 cards (Gen5 x 16 link, FHFL) 1 x PCIe x 16 (Gen5 x 8 link, FHHL)
OS & Software Support	Operating Systems: Windows and Linux DC Assure™: System health monitoring service (optional)
Part Number	E6740-0-IDG8-G8