



Edge Ready: LanternEdge Announces Incorporation of Next-gen Intel® Xeon®¹ D-2700 Processors in to HarshPro™ Server Range

Singapore, 14 March, 2022 – LanternEdge, a provider of technologies that enable intelligence in harsh environments, has announced the incorporation of the next-gen Intel® Xeon® D-2700 (codenamed 'Ice Lake D') processor as a CPU option in their customizable, rugged HarshPro Server range.

“HarshPro servers are designed to enable intelligence even in the harshest of conditions and extend server-class computing to the edge. We are seeing an acceleration of computing workloads at the edge as organizations seek to unlock and integrate value across their operations. Equipping our HarshPro servers with the new IoT-optimized Intel® Xeon® D-2700 processors that have built-in AI acceleration, high capacity I/Os and rugged build will go a long way to meet this rising demand for improved performance and high reliability,” said Mark Mooney, COO of LanternEdge.

Higher performance: Highlights of the Intel® Xeon® D-2700 family of processors include high core counts, with options to scale from 4 to up to 20 cores which allows for effortless running of multiple virtual machines, operating systems and control systems. Intel estimates that the new Intel® Xeon® D-2700 series can offer up to 2.97x faster CPU performance gains and up to 7.40x improved AI inferencing speed².

Increased bandwidth: The new generation of Intel® Xeon® D-2700 also sees robust support for high bandwidth networks and peripherals that require substantial bandwidth, with integrated 50GbE or 100GbE ethernet along with up to 56 high-speed I/Os³ that provide robust support essential for large video systems, automated manufacturing lines and high-speed communication systems.

Built to last: The extended temperature range and industrial rating of 10 years at 100% usage of the Intel® Xeon® D-2700 processors complement the HarshPro commitment to high availability and a long product life cycle. The low maintenance, high reliability design of the HarshPro Server along with full remote management capability make it the ideal choice for edge deployments.

The Intel® Xeon® D-2700 processors are projected to be available as an option for the HarshPro Server range in the first half of 2023. Please contact us at partnerwithus@lanternedge.com for more information.



Intel® Xeon® D-2700

HarshPro™ Servers



HarshPro™ IP20 Server
Edge, storage, AI/ML



HarshPro™ IP43 Server
Rugged workstation



HarshPro™ IP66 Server
Suitable for ultra-harsh env



About LanternEdge Pte Ltd

LanternEdge designs and builds technologies to enable intelligence for harsh and hazardous environments. LanternEdge products power cloud-native applications, distributed cloud and advanced analytics at the edge of operations and leverage open and scalable technologies to reduce costs and overheads, improving safety and productivity in the toughest Industrial environments. LanternEdge products and solutions are designed and delivered in-house from Singapore. LanternEdge is a member of the Intel® Partner Alliance. More information at lanternedge.com

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² Based on [Intel® Performance Benchmarks](#) for Intel® Xeon® D-2796TE vs previous generation Intel® Xeon® D-1577 processor

³ Up to 32 PCIe 4.0 and 24 configurable PCIe 3.0 lanes depending on the SKU