



Ultrastar® Edge Transportable Edge Server



Features

- Designed for FIPS 140-2 Level 2 with TPM v2.0 module to accommodate secure environments
- TAA compliant enables optimal government sourcing options
- Extreme performance with 40 CPU cores and
- 512 GiB memory¹
- Graphical processor unit for AI/ML tasks
- Over 60 TB of NVMe™ flash storage²
- High-performance 100 GbE networking
- Robust transport case with wheels and handle

High-Performance Server for Remote Location Data Capture and Processing

Western Digital Ultrastar Edge is a high-performance edge server that enables organizations to deploy remote data capture and analytics at the cloud edge. Processing data closer to where it is generated reduces the latency associated with sending data from a remote location to the core for processing. Remote processing reduces the amount of traffic on network backbones, enables faster decision making and helps keep data center costs in check.

The ability to have low-latency processing in remote locations can enhance project or mission productivity. Organizations can deliver data center cloud-like services without an external network connection. The server has 40 cores, a GPU, 512 GiB of memory and over 60TB of Ultrastar NVMe flash storage, so applications that normally run on IaaS environments can easily be run remotely.

With a wheeled travel case, the Ultrastar Edge is easily transportable between locations and rack-mountable with the included rail kit when needed. A militarized and ruggedized version, Ultrastar Edge-MR, is also available.

Designed for Government

TAA compliance allows this product to be sold via specific government channels. Designed for FIPS 140-2 with the Trusted Platform Module architecture offers increased assurances for secure environments.

Specifications

Max Drives	<ul style="list-style-type: none"> • 8 Ultrastar DC SN640 NVMe SSDs • 7.68 TB per SSD, 1 DW/D, ISE (Instant Secure Erase)
Boot Drives	<ul style="list-style-type: none"> • 2 M.2 NVMe 1 TB SSDs
CPUs	<ul style="list-style-type: none"> • 2 Intel® Xeon® Gold 6230T, 2.1 GHz, 20 cores each, 125 W TDP
Memory	<ul style="list-style-type: none"> • 512 GiB DDR4 Installed (8x 64 GiB DIMMs)
GPU	<ul style="list-style-type: none"> • NVIDIA® Tesla® T4
Networking	<ul style="list-style-type: none"> • Dual 10GBase-T RJ-45 • Mellanox® ConnectX®-5 100 GbE QSFP28
I/O	<ul style="list-style-type: none"> • 1 Serial DB9 Console Port
Physical Dimensions	<ul style="list-style-type: none"> • Height: 88.9mm (3.5") • Width: 431.8mm (17") • Depth: 502.9mm (19.8")
Weight	<ul style="list-style-type: none"> • 15.15 kg (33.4 lbs)
Power	<ul style="list-style-type: none"> • 850 W, Platinum • 100–240 V AC input, auto ranging, 50–60 Hz
Cooling	<ul style="list-style-type: none"> • 4 60 mm fans
Management	<ul style="list-style-type: none"> • IPMI 2.0 system management • Dedicated DB9 Serial management port
Environmental	<ul style="list-style-type: none"> • Operating Temperature: 0° C to 43° C • Non-op Temperature: -5° C to 63° C • Operating Altitude: 3,050 m (10,000 ft)
Physical Security	<ul style="list-style-type: none"> • Designed for FIPS140–2 Level 2 with TPM v2.0

¹ System memory is indicated in gibibytes (GiB) and one GiB is equal to 1,073,741,824 bytes.

² One terabyte (TB) is equal to one trillion bytes and one petabyte (PB) is equal to 1,000 TB. Actual user capacity may be less due to operating environment.

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