Ultrastar® EDGE
Transportable Edge Server

Extreme Performance at the Edge
Extend your field of operation

Features

- Extreme performance with 40 CPU cores and 512GiB memory[1]
- Graphical processor unit for AI/ML tasks
- Over 60TB of Ultrastar NVMe™ flash storage[2]
- High-performance 100GbE networking
- Trusted Platform Module 2.0 for security
- Robust transport case with wheels and handle

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High-Performance Edge Server for Low Latency Applications

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 also enable innovation. Organizations can deliver data center cloud-like services even when a network connection may be expensive, intermittent or non-existent. The server has 40 cores, a GPU, 512GiB 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.

Ultrastar® Edge

Specifications

Max. Drives	• 8 Ultrastar DC SN640 NVMe SSDs • 7.68TB per SSD, 1 DW/D, ISE (Instant Secure Erase)
Boot Drives	• 2 M.2 NVMe 1TB SSDs
CPUs	• 2 Intel® Xeon® Gold 6230T, 2.1GHz, 20 cores each, 125W TDP
Memory	• 512GiB DDR4 Installed (8x 64GiB DIMMs)
GPU	• NVIDIA® Tesla® T4
Networking	• Dual 10GBase-T RJ-45 • Mellanox® ConnectX®-5 100GbE QSFP28
I/O	• 1 Serial DB9 Console Port
Physical Dimensions	• Height: 88.9mm (3.5") • Width: 431.8mm (17") • Depth: 502.9mm (19.8")
Weight w/o Case	• 15.15kg (33.4lbs)
Power	• 850W, Platinum • 100–240V AC input, auto-ranging
Cooling	• 4 60mm fans
Management	• IPMI 2.0 system management • Dedicated DB9 Serial management port
Environmental	• Operating Temperature: 0°C to 43°C • Non-op Temperature: -5°C to 63°C • Operating Altitude: 3,050m (10,000ft)
Physical Security	• FIPS140–2 Level 2

[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. Actual user capacity may be less due to operating environment.

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