DataEdge Transporter

DATA TRANSPORTER AND EDGE STORAGE

RAID INCORPORATED

FIPS 140-2

TAA COMPLIANT

The DataEdge Transporter™ ("DET") is designed to address high performance high-capacity data transfers between edge locations, datacenter locations, and anywhere in between. Several factors are creating demand for high capacity data transport. One common reason is high capacity data capture at one location needs to be processed or shared at other locations. Another reason is the proliferation of multi-cloud or multi-datacenter workflows where large datasets need to reside in another location, or in multiple locations, and there is a need to get it there more rapidly than online data transfer can provide.

Physically transporting large volumes of data can save days or weeks when compared to online data transfer alternatives. These servers are configured with up to 368TB of fast NVMe™ storage and a 12 core CPU to address all the computing power needed for data management applications that are typical for these use cases.

This configuration is for use cases where the server is best placed in a data center rack, whether it be in a remote or a centralized location. Our custom rail kits are designed to facilitate easy placement in these datacenter racks.

With a wheeled travel case, the DataEdge Transporter is easily transportable between locations and rack-mountable with the included rail kit when needed.

This product is designed to comply with the US Trade Agreement Act (TAA) which can allow product to be sold via specific government channels.

Designed for the Enterprise and the Cloud, this platform addresses the demanding storage needs of large enterprise customers, cloud service providers and resellers/integrators that require durable, high-performance, transportable NVMe SSD storage. The DataEdge Transporter offers extreme capacity and performance to get the job done quickly and efficiently.

Applications and workloads for DataEdge Transporter include: Geophysical and Seismic Exploration, Remote research, Government, Military, Cloud Providers - IaaS and data transport ingest, and Security-Specialized System Integrators.

FEATURES

- Designed for FIPS 140–2 Level 2 with Trusted Platform Module (TPM) version 2 to accommodate secure environments
- TAA Compliance enables optimal government sourcing options
- Intel Ice Lake architecture supports wide range of applications and security models
- Extreme performance
  - 2-port 200 GbE connectivity
  - NVMe SSD Storage
- Up to 368TB of NVMe flash storage[1]
- 6-button LCD display with 4 LEDs for ease of communicating status and inputting commands

HIGHLIGHTS

- High performance access and throughput with NVMe SSDs and dual-port 200GbE ethernet ports
- Huge capacity with up to 368TB[1] of NVMe flash storage
- Includes a transport case with wheels for easy transfer from one location to another
- Security features include FIPS 140-2 compliant TPM 2.0
- Quiet operation with internal fan location and active cooling management

APPLICATIONS & WORKLOADS

- Geophysical and Seismic Exploration
- Remote research
- Government, Military
- Cloud Providers - IaaS and data transport ingest
- Security-Specialized System Integrators

DataEdge Transporter

SPECIFICATIONS

HIGH-THROUGHPUT, LARGE-CAPACITY NETWORK-ATTACHED STORAGE FOR DATA CAPTURE, RETENTION AND MOBILITY

The ability to have high-performance, large capacity storage where you need it is critical in current times of edge use cases and the proliferation of multi-cloud, multi-datacenter infrastructures. Organizations that can leverage data center or cloud-like storage services even when a network connection may not be feasible, due to cost or poor connectivity, have a real advantage in getting the job done.

DataEdge Transporter has the added benefit of being physically transportable, so not only can data be captured and managed locally, but it can be ported from one location to another, reducing the time to transfer large data sets from weeks or months to a matter of days.

Typical Use Case	Data Transport
Display	Six-button, LCD/Character
Environmental Testing	ASHRAE A2 (Datacenter)
Size	Dimensions (height x width x depth):
	86.6 mm / 3.41 in x 482.6 mm / 19 in x 400 mm / 21 in
Weight (approx.)	14.96 kg / 33 lbs
Environmental	Operating Temperature: 0° C to 43° C / 32° F to 109.4° F
	Non-op Temperature: -5° C to 63° C / 23° F to 145.4° F
	Operating Altitude: 3,050 m / 10,000 ft
Processor	Intel® Xeon® 4310 2.1G 12C/24T
Memory [2]	128GiB DDR4 RDIMM
Storage [3]	368TB Enterprise NVMe
Boot Drives	2x 2TB NVMe RAID1
Security Features	TPM: Version 2, FIPS 140-2;
	Physical: Tamper Evident, level 2
Power	1300W Titanium AC/240 HVDC
Compute Form Factor	2U Rack Server
Connectivity	Dual Port 200 GbE, QSFP112
	2x USB 3.0
	DB9 serial console
	VGA
Embedded NIC	2 x 10 GbE RJ45+ LOM
PCIe®	7x PCIe Total (4 x16, 3 x8) Gen4 slots

1 Maximum storage, memory, GPU options, or cores may be affected by the configuration of each other.
2 System memory is indicated in gibibytes (GiB) and one GiB is equal to 1,073,741,824 bytes.
3 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.
4 Product warranty terms and conditions available upon request.

The DataEdge Transporter can be ordered for MIL SPEC in quantity. Please call for more information.