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# e-Pro 2324JS: Solid-State Direct-Attach Storage (DAS)

**The ePro 2324JS is a direct-attach SAS storage subsystem for organizations of any size that require higher levels of performance, reliability, availability and scalability.**

Suitable for high-performance virtualization or Cloud environments, this compact 2U rackmount product engineered by HGST and NT Nuove Tecnologie provides up to 184TB of high-speed solid-state storage, and is capable of scaling up to much larger capacities by simply daisy-chaining multiple boxes together through high-speed Quad SAS 12G ports.

- Highest performing enterprise HGST SSDs
- Up to 4 Quad-12G SAS High speed interfaces
- Up to 96 Gigabit PS Interface speed
- 8, 16, 24 hot-swap 2.5" SSDs
- From 400GB to 7,68GB HGST SSDs
- Dual-port 12G SAS drives
- All drives accessible from any SAS port
- Daisy chain capability to expand
- Redundant hot-swap power supplies, fans
- Dedicated LAN for IPMI port for Remote System Power on/off and system monitoring

| Use Case | Benefit |
|---|---|
| Transactional Databases | Improved performance, reduced query latency; virtualization/consolidation enabler |
| Server Virtualization/Cloud | Increased consolidation factors and per-server performance |
| VDI | Reduced infrastructure cost ($/VDI); boot storm elimination |
| BI/DW/Analytics (including Hadoop, NoSQL, "in memory" analytics) | Decreased query response time; increased concurrency and throughput |
| Media | Real-time, high performance access to high-demand assets |
| High-Performance Computing | Accelerating a wide range of I/O-intensive HPC applications |
| Software based storage | DataCore Parallel /O on Tier-0 Improved performance, reduced latency for tiered SDS and manage redundance data between JBODs |

# e-Pro 2324JS Solid-State Direct-Attach Storage (DAS)

## Specifications

**Storage:**

| | |
|---|---|
| | 8 to 24 solid-state drives |
| | 3,2TB up to 184TB total raw capacity |
| | Hot-swap 2.5" drives—replace a bad drive while running |
| | HGST enterprise SSDs with dual 12G SAS interface |

**Host Interface:**

| | |
|---|---|
| - I/O Module | 1 quad 12G SAS inputs, plus 1 quad 12G SAS output |
| - Total RAW throughput | Up to 48 Gigabit per second |

**Management:**

| | |
|---|---|
| | Ethernet interface, NTP support for time synchronization |
| | SES2 protocol supported in all major OSes |
| | LED indicators for LAN activity, power, drives, power supplies and fan status |

**Physical:**

| | |
|---|---|
| - Dimensions (HxWxD): | 2U rackmount 3,5"x17,2x24,8" (89x437x630mm) |
| - Weight (fully populated) | 70 lbs. (32.0Kg) |

**Power:**

| | |
|---|---|
| - PSU | Redundant Power Supply 740W 80 Plus Platinum Level (95% efficient) 100V/240V, 59/60Hz |

**Operating Environment:**

| | |
|---|---|
| | Operating temperature: 5 to 35 degree Celsius, |
| | Operating humidity: 8% to 90% (non-condensing) |

## P/N Selector

### JBOD Unit:

| | |
|---|---|
| 100265 | e-Pro 2324JS Solid-State Direct-Attach Storage |

### SSD Drives:

| | |
|---|---|
| SSD27691 | SSD 7,68TB SAS 12G 1DW/D, Max Read 1.800/Write 1.000, IOPS 4KiB Read 250K/ Write 37K SE |
| SSD27692 | SSD 3,84TB SAS 12G 1DW/D, Max Read 1.800/Write 1.000, IOPS 4KiB Read 250K/ Write 37K SE |
| SSD27693 | SSD 1,92TB SAS 12G 1DW/D, Max Read 1.800/Write 1.000, IOPS 4KiB Read 250K/ Write 37K SE |
| SSD27694 | SSD 960GB SAS 12G 1DW/D, Max Read 1.800/Write 1.000, IOPS 4KiB Read 250K/ Write 37K SE |
| SSD27695 | SSD 480GB SAS 12G 1DW/D, Max Read 1.800/Write 1.000, IOPS 4KiB Read 250K/ Write 37K SE |
| SSD27696 | SSD 3,2TB SAS 12G 3DW/D, Max Read 1.800/Write 1.000, IOPS 4KiB Read 250K/ Write 86K SE |
| SSD27697 | SSD 1,6TB SAS 12G 3DW/D, Max Read 1.800/Write 1.000, IOPS 4KiB Read 250K/ Write 86K SE |
| SSD27698 | SSD 800GB SAS 12G 3DW/D, Max Read 1.800/Write 1.000, IOPS 4KiB Read 250K/ Write 86K SE |
| SSD27699 | SSD 400GB SAS 12G 3DW/D, Max Read 1.800/Write 1.000, IOPS 4KiB Read 250K/ Write 86K SE |

## HGST Company Info

Drawing on the heritage of invention that first introduced the hard disk drive, HGST (formerly Hitachi Global Storage Technologies) is a new type of storage company for a new world where ever-increasing amounts of content are being generated from cloud services, Internet content providers, social networks, mobile devices, Big Data and enterprise business transactions.

HGST has an unmatched reputation for product quality and reliability; offering award-winning enterprise optimization software and a broad portfolio of innovative, high-quality hard disk and solid state drives that store, manage and protect the world's data. Our intelligent storage solutions are trusted by enterprises, Internet companies, consumers and creative professionals to store and manage their data efficiently and securely. Our commitment is to deliver innovative, high-value datacenter, mobile, personal and consumer electronics storage solutions together with storage infrastructure consultation to the world's largest and most sophisticated OEMs, businesses and hyperscale cloud customers. Our unmatched science and unique technology vision, combined with our deep understanding of customers' needs and market opportunities, sets us apart. HGST is a wholly owned and independently operated subsidiary of Western Digital Corporation, marketing and selling its leading storage portfolio around the world. HGST continues to strategically invest in high-growth and emerging technology segments, attracting and retaining the industry's best talent, and expanding research and innovative product development. For information about Western Digital Corporation, parent company of HGST, click here.

Founded : 2003

U. S. Headquarters : San Jose, California USA

President : Mike Cordano

Regional Locations : United States, China, India, Japan, Malaysia, Philippines, Singapore, Taiwan, Thailand, United Kingdom

Employees Worldwide : 41,000

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## NT Nuove Tecnologie

is a leading manufacturer with own e-Pro brand of Workstations, servers, storage, and all inclusive Hardware/Software solutions for datacenter consolidation, storages, servers and desktop virtualization. We work collaboratively with customers to project and create best-tailored solutions at competitive prices and closely with the leading IT manufacturers to provide the most innovative and reliable tecnology. All products are supported by the best warranty and post sales Hardware and Software offerings available..

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