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SEAGATE® EXOS® PROTECT DATA SHEET

Heavy Duty Durability With RAID-Based Hardware-Enforced Protection for Relentless Workloads




Product Overview

From financial services to healthcare, Exor PROTECT systems safeguard data-critical workloads with redundancy, resilience and consistent performance. Advanced RAID arrays reduce interventions and elevate uptime-meeting stringent availability and governance requirements across distributed environments.

Core Platform Advantages

- **Hardware-enforced RAID with ADAPT technology:** Accelerates rebuilds with minimal performance impact, reducing data exposure while maintaining availability.
- **Active-active dual-controller architecture:** Delivers continuous data access with no single point of failure for high-availability environments.
- **Predictable performance during failure + recovery:** Helps sustain throughput and responsiveness during rebuilds and degraded states.
- **Fully redundant, hot-swappable components:** Supports non-disruptive maintenance and upgrades with less operational risk.
- **Enterprise-grade availability + durability:** Provides five-nines-class design for long-running, data-critical systems.
- **High-density, protected storage configurations:** Enables efficient scaling of production and nearline storage in a compact footprint.
- **Integrated management + hybrid-ready:** Simplifies administration while supporting protected storage across edge, data center and multi-site environments.
- **End-to-end Seagate Engineering :** Delivers proven reliability and predictable behavior in large-scale enterprise deployments.

Hardware Specifications by Model

| Features |  Exos EP2U12 |  Exos EP2U24 |  Exos EP5U84 |
|----------------------------|---|---|---|
| Form factor | 2U | 2U | 5U |
| Max drives | 12 | 24 | 84 |
| Drive Interface | SAS | SAS | SAS |
| Host external ports | 4 per controller, 8 per system SFP+/SFP28 or mini-SAS HD | 4 per controller, 8 per system SFP+/SFP28 or mini-SAS HD | 4 per controller, 8 per system SFP+/SFP28 or mini-SAS HD |
| Host Interface | 12Gb SAS, 32/16 Gb FC, 25/10 GbE iSCSI, 10GBASE-T Auto to 1Gb | 12Gb SAS, 32/16 Gb FC, 25/10 GbE iSCSI, 10GBASE-T Auto to 1Gb | 12Gb SAS, 32/16 Gb FC, 25/10 GbE iSCSI, 10GBASE-T Auto to 1Gb |
| Included software | Virtual/linear pools, thin provisioning, SSD read cache, encryption, auto-tiering, snapshots, async replication | Virtual/linear pools, thin provisioning, SSD read cache, encryption, auto-tiering, snapshots, async replication | Virtual/linear pools, thin provisioning, SSD read cache, encryption, auto-tiering, snapshots, async replication |
| Data protection | Improved ADAPT, RAID, RAID 0, 1, 5, 6, 10 | Improved ADAPT, RAID, RAID 0, 1, 5, 6, 10 | Improved ADAPT, RAID, RAID 0, 1, 5, 6, 10 |
| Expansion | Up to 144 drives | Up to 144 drives | Up to 336 drives |
| Power supply | 580W (80 PLUS Platinum) | 580W (80 PLUS Platinum) | 2200W (80 PLUS Platinum) |
| Dimensions (HxWxD) | 88.9mm x 483mm x 630mm | 88.9mm x 483mm x 630mm | 220mm x 483mm x 933mm |
| Weight (w/ drives) | 30kg | 30kg | 135kg |