



• The **STORAGE FOUNDRY 5200i** storage system is a new storage product designed for enterprise's storage applications. It features industry-leading hardware specifications and incorporates various advanced technologies including enriched interface, hot-swappable I/O module, powerful system performance optimization, and diversified data protection technology. Also, it can meet ever increasing and complicated requirements with digital media, video surveillance, centralized storage, backup, disaster recovery, and data migration applications while costing only the price of entry-level products without compromising service security and continuity.

• High Flexibility and Scalability

- **Industry-leading hardware specifications:** 64-bit multi-core processors and high-speed cache, up to 32GB/s bandwidth for internal data exchange, SAS 2.0 wide-port back-end channels. Eliminating hardware bottleneck.
- **Multiple disk types:** Supports SSD, SAS, NL SAS, and SATA disks for on-demand configuration.
- **Multiple host connectivity:** Supports both iSCSI and FC host interface, intermixing of FC SAN and IP SAN networking. Increasing storage resource sharing, IT infrastructure utilization and cost-effectiveness.
- **Powerful scalability:** Supports 12 x 1 Gbit/s iSCSI ports and 8 x 8 Gbit/s FC ports. Supports up to 256 hosts with a maximum of 276 hard disks, meeting the capacity expansion requirements of small and medium enterprise.

• High Reliability and Availability

- **I/O module hot swap:** Hot-swappable controllers, fans, power supplies, I/O modules, battery backup modules, and disk modules, on-line swap without affecting ongoing services. In addition, it supports online I/O module expansion.
- **Power failure protection:** Embedded battery modules automatically flush cache data into coffer disks for protection upon unexpected power failures.
- **Disk pre-copy technology:** The 5200i proactively checks for failing disks and migrates the data for protection, reducing risk of system degradation and data loss.
- **Advanced data protection technology:** The 5200i provides a rich set of data protection measures, including technologies for instant snapshot and data recovery, LUN copy technology for local data backup and recovery, and remote replication for remote data backup and disaster recovery.

Key Features

- **Disk pre-copy:** checks for failing disks and migrates data for protection
- **Flexible RAID Levels:** 0, 1, 3, 5, 6, 10, 50
- **Flexible Connectivity:** 1 or 10GE iSCSI and 8Gbit FC
- **Scale on-demand:** allows users to expand up to 276 hard disks
- **Ease-of-use:** basic initial configuration in five simple steps
- **Disk spin down:** automatic disk spin-down lowers power consumption by 40%
- **CPU frequency control:** automatically adjusts CPU frequency according to workload
- **Enterprise reliability:** serviceability, support

• TECHNICAL SPECIFICATIONS

General Information

Product Code	52-0001, Controller chassis 53-3021, Expansion chassis
Core Processing	64-bit multi-core processor
Cache	4GB High-Speed Cache per Controller 16GB Cache Options
Control Plane	Dual SDS-Ready Storage Controllers
Host connectivity	Up to 8 Host/Fabric Ports of 8Gb/s FC and 10GE LAN
Back-end ports	Up to 4 x 24Gb/sec SAS 2.0
Supported disk types	SSD, SAS, NL SAS, SATA
RAID levels	0, 1, 3, 5, 6, 10, 50
Max number of LUNs	2048
Max number of Snapshots	256
Hot Swap Components	SSD/HDD modules, power supply units, cooling fans, controllers, and battery backup
Management Protocols	Web-based GUI, SSH, SMI-S, VAAI, SRA
Optional Software	SmartCache w/SSD, Snapshot, LUN Copy, Thin-Provisioning, Synchronous and Asynchronous remote replication, and Multi- path Management

Dimensions and Operations

Height	86.1 mm / 3.4 in Controller 175 mm / 6.9 in Expansion
Width	446 mm / 17.5 in 19" IEC rack compliant
Depth	582 mm / 23 in Controller 412 mm / 16.2 in Expansion
Weight (without drives)	23 kg (50.6 lbs.) Controller 25.2 kg (55.4 lbs) Expansion
Operational Altitude	0 to 3,000 m (0 to 10,000 ft)
Non-Operational Alt.	-300 to 12,192 m (-1,000 to 40,000 ft)
Voltage	100 - 240V AC
Frequency	60/50Hz
Power Consumption	<380W Controller <527W Expansion
Temperature Range	5° to 40°C (de-rate 5°C above 2,000m)
Humidity	20% to 80% non-condensing

System Expansion

Maximum System Config	Up to 11 local-connect expansions supporting 276 drives
Max Drives per Enclosure	12 x 3.5" Controller 24 x 3.5" Expansion
Storage Modules Supported	Dual-port 6Gb/s SSD, SAS, NL-SAS modules, 3.5" Bays
High Availability & Scaling	Two 24Gbit SAS Link per Controller for Storage Capacity expansion Maximum of 528 storage drives/modules

Shock and Vibration

Operational Shock	5g 10ms 1/2 Sine
Operational Vibration	Random 0.2 g 5-500Hz
Non-op Shock	30g 10ms 1/2 Sine w/ Drives
Non-op Vibration	Random 1.04g RMS 2-200Hz

Approvals

EMC	FCC pt1 5B Class A, EN55022 Class A, CISPR 22 Class A, EN 55024, CISPR24, EN61000-3-2/3, CNS13438
Safety	EN/IEC/UL 60950-1, CNS14336 CB report: CE, UL, cUL, FCC, GB4943 – CNCA Certification, GOST 50377-92,

Warranty

Enclosures with Drives	Up to 3 years. Please contact storageFOUND for detailed warranty information and Federal Warranty Accommodations.
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Environmental Standards

TRANSFOUND OEM manufacturers are registered through BSI to the international environmental management systems standard ISO 14001:2004, and hold certificates for each of its manufacturing sites



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