

PHANTOMSTOR SPECIFICATIONS

Features



This new Generation S12F services offers 4Gbps FC host ports and boosts overall performance through Infotrend's exclusive ASIC400. Besides the dominant high through fit for the most demanding environments, it also provides flexible scalability through the built-in SAS expansion ports and simple manageability through its proprietary storage management suite.

The 512F array provides outstanding throughput via the 4G FC host channels whose performance is enhanced by the advanced ASIC400. Depending on various application needs, users can further fine-tune the firmware setting parameters to realize the best possible performance. S12F-R1432 is able to deliver 1420MBps Read and 780 MBps Write RAID5 performance. With the 512F, those enterprises challenged by rising performance demands in It environments can find a satisfactory answer to their transaction-intensive applications.

The S12F allows users to start with the storage capacity they currently need and scale up to a massive 60TB as more capacity needs arise. Users can also flexibly populate the S12F and expansion enclosures with a mix of SAS and SATA drives to deploy tiered storage, which ensures the best ROI. No matter what level of performance, capacity and cost an application demands, users can always find the best matching solution.

Twelve drive bays yield 10 Terabytes when One terabyte drives are used, including one global hot spare and RAID redundancy. Expansion units available to 60 Terabytes

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Specifications

PSUs 2

Cooling modules

- S12F-R1432 2

- S12F-G1433 3

Diagnostic LEDs on all FRUs

SAS multi-lane expansion port (per controller)

* SFF-8088

Subsystem Characteristics

Drive Interface

Host Connection Ports

SAS or 3Gbps SATA-II 12

Enclosure service via I C or in-band over SAS

Expansion links

4Gbps Fibre Channel (per controller) 2

. ASIC400 RAID engine

. FC host ports (per controller) 2

. LCD keypad panel 1

. BBU (per controller)

- S12F-R1432 2

- S12F-G1433 (Optional)

. Default DDR cache memory (per controller) 512MB

. 10/100BaseT management port (per controller) 1

. COM ports (per controller) 2

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No. of disk trays 12

Tag command queuing

RAID levels 0, 1(0+1), 3, 5, 6, 10, 30, 50, 60

Up to 32 logical drives & 64 partitions per logical drive
(Varied by memory size)

Up to 1024 LUNs (varied by memory size)

Multiple array configurations

Background rebuild/scan/initialization

SMART fault management technologies

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