



hp storage

virtual array 7400



key features and benefits

- **predictable:** spreads data across all available spindles to boost performance, minimize “hot spots”
- **efficient:** provides simultaneous heterogeneous array sharing for cost-effective management
- **manageable:** offers cost-effective remote management capabilities
- **available:** provides high-availability observatory support; hot-swappable, redundant components
- **reliable:** delivers greater reliability with RAID 5 double parity and end-to-end data integrity
- **compatible:** integrates into your management environment with HP array management software
- **expandable:** allows online storage capacity upgrades with mixed-capacity disk drives

high-performance, low-cost virtual array

The HP Surestore Virtual Array 7400 is a low-cost, high-capacity, high-performance array capable of delivering up to 99.95% uptime or higher. An ideal choice for environments requiring heterogeneous operating systems, the VA 7400 allows you to mix and match disk drives, add capacity instantly, and perform online firmware upgrades fast. HP’s hot-swap technology reduces planned downtimes, and our virtual array technology simplifies management and administration of the array.

HP’s online hot-swappable architecture virtually eliminates planned downtime. HP’s virtual array technology lets you create new files or LUNs quickly, without worrying about the underlying physical technology. You can even mix drive sizes or download a firmware upgrade, all without interrupting service. Traditional disk array technology can’t do that.

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low-cost

technical specifications

native capacity	7.7 TB
external I/O ports	Two 200 MB/s Fibre Channel ports
sustained performance	170 MB/s read
memory cache	Up to 1 GB mirrored cache
compatible operating systems	HP-UX 10.20, 11.0, and 11i; Red Hat Linux 6.2 and 7.0; HP MPE/iX 6.5 and 7.0; Microsoft® Windows NT® 4.0 and Windows® 2000; Sun Solaris 2.6, 7, and 8; IBM AIX; Novell NetWare
power consumption	738 VA (8.2A RMS 90V AC)
power supply	100–240V AC auto-ranging, 50–60 Hz
compatible network mgt. tools	HP OpenView Network Node Manager, HP Tootools, CA Unicenter, IBM Tivoli
dimensions (h x w x d)	5 x 19 x 27 in (480 x 691 x 120 mm)
weight	120 lb (46.1 kg)
cache (internal)	1 GB cache per controller
temperature range	Operating: 5°C to 35°C Storage: –40°C to 70°C
humidity range	Operating: 10 to 80% @ 28°C (wet bulb) Storage: 10 to 90% @ 28°C (wet bulb)
acoustic power emissions	8.0 dB(A)
compatible network backup options	HP OpenView Omniback II
software included	HP Surestore Command View SDM

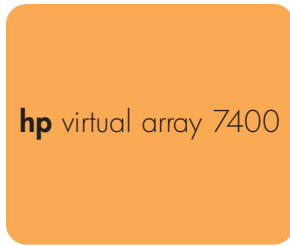
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high-capacity

product numbers

product number	product name	description
A6264A	Virtual Array 7400 Field-racked, with 512 MB cache	Field-racked VA 7400 dual controller 512 MB cache
A6264AZ	Virtual Array 7400 Factory-racked, with 512 MB cache	Factory-racked VA 7400 dual controller 512 MB cache
A6264AE	Virtual Array 7400 Non-integrated, with 512 MB cache	Field-racked VA 7400 dual controller 512 MB cache; ships non-integrated only
A6265A	Virtual Array 7400 Field-racked, with 1024 MB cache	Field-racked VA 7400 dual controller 1024 MB cache
A6265AZ	Virtual Array 7400 Factory-racked, with 1024 MB cache	Factory-racked VA 7400 dual controller 1024 MB cache
A6265AE	Virtual Array 7400 Non-integrated, with 1024 MB cache	Field-racked VA 7400 dual controller 1024 MB cache; ships non-integrated only
A6183A	Virtual Array 7400 base enclosure	Field-racked VA 7400 base enclosure
A6183AZ	Virtual Array 7400 base enclosure	Factory-racked VA 7400 base enclosure
A6183AE	Virtual Array 7400 base enclosure	Field-racked VA 7400 base enclosure; ships non-integrated only
A6186A	512 MB cache for VA 7400	512 MB cache
A6187A	1024 MB cache for VA 7400	1024 MB cache
A6189A	Virtual Array 7400 processor	Virtual Array 7400 processor
A6214A	Disk System 2400	Disk System 2400 with dual 1 GB/s link control cards
A6191A	18 GB 15K rpm Fibre Channel disk drive	18 GB 15K rpm Fibre Channel disk drive
A6192A	36 GB 10K rpm Fibre Channel disk drive	36 GB 10K rpm Fibre Channel disk drive
A6193A	36 GB 15K rpm Fibre Channel disk drive	36 GB 15K rpm Fibre Channel disk drive
A6194A	73 GB 10K rpm Fibre Channel disk drive	73 GB 10K rpm Fibre Channel disk drive



additional information

what's in the box

Array enclosure, two power supplies, two fans, power cords, printed manuals, software CD, manuals on CD, and the number and type of disk drives that the customer has chosen

For those customers requiring capacities in excess of 1.1 TB, the solution includes the HP Surestore Disk System 2400

accessories

For enterprise products

Disk slot filler panel A6198A; 2m FC fiber optic cable multi-mode duplex LC-SC C7529A; 16m FC fiber optic cable multi-mode duplex LC-SC C7530A; FC fiber optic coupler F/F SC-SC C7534A; FC adapter kit (includes C7529A and C7534A) C7540A

supplies

None

safety

IEC 60950 (1991) 2nd Edition, 1992-A1, 1993-A2, 1995-A3, 1996-A4, CSA C22.2 No. 950-95; UL 1950-95

warranty features— hp service and support

3-year, on-site limited warranty from HP or authorized resellers; next-business-day response during standard business hours

warranty options

BCS: 1-year, 4-hour call-to-restoration
CSS: 1-year, 6-hour call-to-repair for SAP
CSS: 1-year, 6-hour call-to-repair
1-year 24 x 7
3-year 24 x 7
1-year same-day
3-year same-day
1-year next-day
3-year next-day

for more information

For more information on HP Surestore virtual arrays, contact any of our worldwide sales offices or visit our Web site at: www.hp.com/go/storage or www.hp.com/go/diskarrays