Veritas NetBackup™ 5230 Appliance

A single-vendor, enterprise backup appliance that is ready to backup in minutes

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Overview

Veritas NetBackup™ 5230 is an enterprise backup appliance with expandable storage and intelligent end-to-end deduplication for physical and virtual environments. Only Veritas appliances deduplicate on both the client and target side. Equipped with Veritas™ V-Ray technology, it provides unique visibility into virtual environments that speeds recovery and reduces storage costs. Content-aware deduplication reduces the size of backups so you can store more data cost effectively and replicate faster.

NetBackup 5230 Appliance

Product highlights

- **Suitable for any environment**—Starting at 4 TB and expandable up to 148 TB usable capacity, NetBackup 5230 is ideal for both remote offices and enterprise data centers.
- **Multiple functional roles**—Deploy as master server, media server, or both for a NetBackup domain.
- **Fits into existing NetBackup environments**—Easily expand or refresh existing NetBackup environments without disrupting operations.
- **Ultimate virtual machine protection**—Supports VMware® vSphere™ and Microsoft Hyper-V®, no proxy servers required.
- **Wide Area Network (WAN) optimization**—Up to 10x faster transfer rate for backups to cloud and replicating off-site.
- **NetBackup Accelerator**—Delivers traditional, full backups at the speed of incremental backups.
- **Simple and fast snapshot replication**—Accelerate snapshot replication management and granular file level recovery from any replicated snapshot image.
- **Operational simplicity**—Power up and walk through the installation wizard to start backing up in minutes.
- **Improve resource utilization**—Decrease backup storage up to 50 times and bandwidth consumption up to 99 percent.
- **Flexible deduplication options**—Deduplication at source or target; inline or post-process.
- **Dynamic storage**—Usable capacity can be any combination of up to 144 TB deduplication pool or 148 TB Advanced Disk pool (non-deduplicated storage).
- **Eliminate Build-Your-Own Media Servers**—Reduce the operating cost, complexity, and frustrations of building and supporting your own media servers with the NetBackup Appliance.
- **Simple NetBackup software licensing**—Pay once for NetBackup software and freely replicate, change retention policies, and refresh hardware without penalties.
- **Auto Image Replication (AIR)**—Replicate backup images to a remote NetBackup domain for electronic vaulting and disaster recovery readiness.
- **Veritas™ Critical System Protection**—Protects against zero-day attacks and malicious insider threats.
- **Heterogeneous cloud gateway**—Serves as a gateway unit for sending backups to supported cloud storage vendors.
- **Resilient hardware architecture**—Dual RAID controllers and multiple data paths deliver greater data protection and system availability, along with redundant hot swap components.
- **Veritas AutoSupport**—Monitors key hardware components and notifies the administrator of fault events.

Technical specifications	NetBackup 5230	Expansion shelf
Useable storage capacity (TB)[2]	4 or 14	24 or 36
Expansion shelves (max)	4	NA
Maximum usable capacity (TB)[3]	148 TB	NA
1 Gb Ethernet ports	4	NA
10 Gb Ethernet ports	up to 4	NA
8 Gb Fibre Channel ports	up to 10	NA
Dimensions H x W x D (inches)	3.5 x 19.2 x 30.1	5.1 x 17.6 x 22.1
Maximum weight (lb)	52.0	71.7
Typical power consumption (watts)	< 415	< 271
Maximum power consumption (watts)	750	580
AC voltage range (Volts)	100 to 127, 200 to 240	100 to 127, 200 to 240
AC frequency range (Hz)	47 to 63	47 to 63
Ampere ratings (A)	7 (100V to 127V), 3.5 (200V to 240V)	7 (100V to 127V), 3.5 (200V to 240V)
Mean time to repair (hours)	< 1	< 1

Environmental specifications	NetBackup 5230	Expansion shelf
Operating temperature (°F/°C)	41 to 95 / 5 to 35	41 to 95 / 5 to 35
Storage temperature (°F/°C)	-40 to 158 / -40 to 70	-40 to 158 / -40 to 70
Operating humidity (RH)	10 to 85%	10 to 85%
Operating altitude (ft/m)	100 to 9,842 / 30.5 to 3,000	100 to 9,842 / 30.5 to 3,000
Maximum noise (dBA)	70	70
Typical cooling (BTU/hr)	1,416	924
Maximum cooling (BTU/hr)	2,562	1,980

Performance

NetBackup 5230 delivers 39.9 TB/hour throughput.[4]

Warranty coverage

Three (3) years parts replacement and 90 days software.

Management

Through existing NetBackup Graphical User Interface.

Protocol standards followed

IPMI 2.0, SMBIOS 2.5, SAS 2.0a, ACPI rev 3, IP RFC0791

Safety and EMC standard compliance

GB4943-2001, IEC 60950-1, UL 60950-1, FCC 47 CFR Part 15 Subpart A, EN 60950-1, EMC Directive 2004/108/EC, EN 55024: 1998+A1+A2, LVD Directive 2006/95/EC

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2. Capacity values are calculated using Base2 (i.e. 1 TB = 1,099,511,627,776 bytes). Storage shelves are 23.65 TB and 35.50 TB, and are rounded up.
3. Maximum capacity is based on NetBackup 5230-4 TB system with four (4)-36 TB storage shelves.
4. Observed performance is based on 72 clients, 2 streams per client, 98 percent deduplication.

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