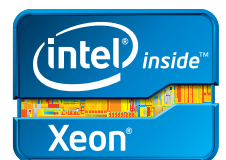xVault 2U 12 Bay
XV-UM2U35
12 x 3.5" HDD

xVault 3U 16 Bay
XV-UM3U35
16 x 3.5" HDD

xVault 4U 24 Bay
XV-UM4U35
24 x 3.5" HDD

XVAULT

intel inside™
Xeon®

UNIFIED STORAGE

XVAULT **UNIFIED STORAGE SOLUTIONS**

The xVault Unified Storage Platform (USP) empowers IT professionals with both network file level access and block level access in the same system. One network attached subsystem provides Common Internet File System (CIFS) and Network File System (NFS) access as well as IP Storage Area Network (SAN) connectivity.

The xVault Unified Storage Platform has powerful enterprise features including:

- Dynamic volume expansion
- Same enclosure mixed tier support
- Remote replication
- Storage virtualization
- Local and area mirroring
- Snapshots and file level deduplication

xVault USP Major Operating System Support
xVault supports the latest versions of VMware™, Microsoft Windows™, Citrix XEN™ Server, Red Hat™ Linux as well as any operating system that supports a level 2 iSCSI initiator.

Business Continuity Assurance
Using the xVault USP's robust, but easy to use, features makes business continuity planning, continuous data protection, remote disaster recovery, and D2D backup a snap. Recovery point and time objectives now can be planned with certainty.

> ### xVault Rapid Recovery
> xVault Rapid Recovery lets you quickly get back to the custom factory setting of the xVault USP with no pain. You can also use this feature to help recover to any custom settings you have added.

Application Flexibility
The xVault USP is feature rich and performance optimized to handle the storage needs of applications like:

- Cloud
- High Transaction
- Client Serving
- Web Services
- Database
- Imaging
- General File Serving
- Print Services

Additionally, IT professionals have the ability to tune to specific storage metrics by mixing Solid State, SAS 6g, and SATA 6g drives.

Best in Class Array Performance
High powered 3.3GHz quad core processing, dedicated 800MHz array only RAID processing, high speed, battery backed cache coupled with 4,800 Gb/s of storage bandwidth propels this Unified Storage solution to "Best In Class" array performance. The standard five 1Gbe iSCSI ports provide up to 5Gb/s of network bandwidth. Optional 10Gbe connectivity addresses all standardized connections – SFP+ DA Copper, SFP+ Optical SR & LR, CX4 and 10GBaseT. The 10Gbe options can provide up to 20 Gb/s of throughput, providing the bandwidth necessary for high count virtual servers or bandwidth hungry video applications.

> ### Exclusive! xVault OOBE Plus
> xVault OOBE Plus is an enhanced Out Of Box Experience. Your xVault USP has been optimized with custom settings and services that would take 3+ hours to configure on your own.

Reliability
All the performance in the world means nothing without reliable uptime. RAID 1, 10, 5, 6, 50 and 60 configurations, coupled with long cache battery backup hold times, ensure data integrity. Multiple network port trunking and Multipath I/O (MPIO) support provides for network path redundancy.

Power protection in the xVault USP is achieved with redundant, energy efficient, hot swappable power supplies.

SINGLE CONTROLLER **MODEL COMPARISON**

Feature	xVault USP	Dell NX3100	HP P2000	NetApp FAS2040
Drive Encryption	■	■	□	□
Snapshots	■	■	■	■
Snapshot Mountable	■	■	■	$$$
Local Mirroring	■	■	■	□
Remote Replication	■	■	□	$$$
File level Dedupliction	■	■	□	■
NAS NFS Support	■	■	□	■
NAS CIFS Support	■	■	□	$$$
3U 16 Bay Expandable Form Factor	■	□	□	□
4U 24 Bay Expandable Form Factor	■	□	□	□
2U 2.5" Form Factor Option	■	□	■	□
Externally Expandable	■	$$$	■	■
# 1Gbe Ports standard	5	4	4	4
10Gbe Support Option	$$$	$$$	$$$	$$$
SAS 6g Support	■	■	■	□
SATA 6g Support	■	□	■	□
SSD Array Support	■	■	□	$$$
SSD Caching	$$$	□	□	■
Standard Redundant Power	■	□	■	■

■ Standard Feature

□ Not Available / Conditional

$$$ Option Available / Up-charge

XVAULT **UNIFIED STORAGE PRODUCT**

SYSTEM

Processor	Intel® Xeon® Processor E3 Series
Operating Systems	Windows Server 2000 and 2008, Windows 7, VMware, Linux with iSCSI Iniator
NAS Protocols	IPv4, IPv6, SMB, SMB2, CIFS, NFS v2 & v3, FTP, Telnet
IP Security	IPSEC
iSCSI Protocol	Yes, CHAP Security Supported
Bootable	Yes - Server BIOS Must Support Network and/or iSCSI Bootable Devices
Replication	Local & Remote; iSCSI Block Level and Share Level
Max iSCSI Session/Appliance	64
File Level Deduplication	Yes
Drive Level Encryption	Yes - At Rest Drive Encryption
Active Directory Compatible	Yes
Practical Max. Single Volume	Windows 64TB / Linux 32TB
Number of Volumes	Unlimited
Maximum NAS File Size	2TB
Centralized Local and Remote Management	Yes
Snapshots	512 Per System; 64 Per Share, Includes Granular File Recovery

JBOD CHASSIS ARE ALSO AVAILABLE

MECHANICAL

Part Number	XV-UM2U35	XV-UM3U35	XV-UM4U35
Form Factor	2U	3U	4U
Networking Interfaces	5 x 1Gbe Ports	5 x 1Gbe Ports	5 x 1Gbe Ports
10Gbe Support	Dual SFP+, Dual RJ45 Cat6a, or Single CX4 Options	Dual SFP+, Dual RJ45 Cat6a, or Single CX4 Options	Dual SFP+, Dual RJ45 Cat6a, or Single CX4 Options
Maximum Internal Drives	12 x 3.5" or 2.5"	16 x 3.5" or 2.5"	24 x 3.5" or 2.5"
Externally Expandable	No	Up to 80 Drives	Up to 120 Drives
Drive Compatibility	SAS 3g SAS 6g, SATA-I, SATA-II, and SATA-III (6g)	SAS 3g SAS 6g, SATA-I, SATA-II, and SATA-III (6g)	SAS 3g SAS 6g, SATA-I, SATA-II, and SATA-III (6g)
RAID Level Support	0, 1, 10, 5, 6, 50, 60, JBOD	0, 1, 10, 5, 6, 50, 60, JBOD	0, 1, 10, 5, 6, 50, 60, JBOD
Cache Battery Backup Hold Time	72 Hours	72 Hours	72 Hours
Max. Single Volume Size	64 Bit 16EB	64 Bit 16EB	64 Bit 16EB
Total Expanded Raw Capacity	Up to 48TB	Up to 320TB	Up to 480TB
Power Supply	Dual Load Balance Hot Swap Redundant 800 Watts 80+ efficiency rating	Dual Load Balance Hot Swap Redundant 800 Watts 80+ efficiency rating	Dual Load Balance Hot Swap Redundant 1010 Watts 80+ efficiency rating
AC Input VAC Freq	100VAC–240VAC; 47 ~ 63 Hz	100VAC–240VAC; 47 ~ 63 Hz	100VAC–240VAC; 47 ~ 63 Hz
Watts / BTU Per Hour	800 watts / 2730 BTU	800 watts / 2730 BTU	1010 Watts / 3446 BTU
Operating/Non-operating Temp	0°C to 40°C / 0°C to 50°C	0°C to 40°C / 0°C to 50°C	0°C to 40°C / 0°C to 50°C
Operating Humidity	5% - 90% non-condensing	5% - 90% non-condensing	5% - 90% non-condensing
Dimensions (w x h x d)	19 x 3.5 x 27.5 in. / 483 x 89 x 700 mm	19 x 5.25 x 27.5 in. / 483 x 133 x 700 mm	19 x 7 x 27.5 in. / 483 x 178 x 700 mm
Weight	58.7 lbs. / 26.7 kg w/ PSU and Rails; 77 lbs. / 35 kg w/drives	70 lbs. / 32 kg w/ PSU and Rails; 95 lbs. / 43 kg w/drives	77 lbs. / 35 kg w/ PSU and Rails; 118 lbs. / 54 kg w/drives
Warranty	3 Year Hardware and Software Support plus 3 Year Advance Replace Parts	3 Year Hardware and Software Support plus 3 Year Advance Replace Parts	3 Year Hardware and Software Support plus 3 Year Advance Replace Parts