Universal MediaLibrary N12 Series

Entry-level storage with single controller

The Universal Media Library N12 (abbreviated as UML N12 hereinafter), released by XOR Media, is a compact storage server ideal for managing big data and business-critical workloads. It can be deployed as cloud storage easily by loading XOR Cloud Aqua, which provides stable, safe, and reliable data storage services for all kinds of large volumes of data and stream media applications.

As an entry-level line of UML product family, UML N12 is a 2RU chassis housing 12 drive bays, which is compatible with both SAS and SATA disks. At present, its full capacity reaches up to 96TB.

Each UML N12 system is equipped with one SSD system hard disk. As it uses the latest Xeon Scalable processor from Intel which features 6-core 12 threads or above and 32GB minimum RAM, N12 system optimizes the speed of startup and data access, the stability of performance, and more.

Thanks to high redundancy design of key components of UML N12 storage such as power supplies, fans and disks, any damage to one or two components will not affect operation of the server as a whole, or cause downtime of the system. This effectively minimizes the risk of system going down and interruption of the operation, making data storage services more reliable.

The UML N12 features NAS access in the file system. All files can be accessed and managed in a single global namespace.

The UML offers complete system operation monitoring. The web-based GUI interface makes it easy for network administrator to monitor system health of multiple UML servers, and the status of CPU, cooling fans, memory, hard disks, etc.

Empowered by XOR cloud storage system–Cloud Aqua, UML N12 improves the storage utilization of resources and facilitates the system maintenance of the storage devices.

The featured MediaFlow technology in XOR Cloud Aqua enables the system to process files according to the policy pre-defined by user. For instance:

- Archiving files and managing life cycle of files
- Storing files on different storage devices or even on disks according to needs

This automated way of processing files greatly reduces intervention by user in managing files. Thus data and files are stored and accessed in an optimized way. Additionally it enhances data security.

Key Features and Operational Benefits

Cost-Effective

- 2RU chassis
- Capacity: single disk as 1TB/2TB/4TB/8TB, 12 drive bays, up to 96TB
- Single controller

NAS

- NAS: CIFS, NFS, FTP
- No need reconfiguration or gateways

Operational flexibility

- Big data storage
- Media factory applications

Seamless integration with CloudAqua

- Transparent to external applications
- On-demand file storing
- Enhanced data security
- Automated way of processing data files by using the featured MediaFlow technology

Universal MediaLibrary N12-series Product Specifications

Chassis	2RU Chassis	
Dimensions (W x H x D)	17.24" (438mm) x 3.42" (87mm) x 25.92" (658.2mm)	
Weight	82lbs (37.2 kg)	
Physical Port	• 2 x 1GbE, 2 x 10GbE	• 4 x 1GbE
Network Protocol	NAS	
System Disk	Intel SSD 2.5" SATA 6Gbps	
Storage Disk Type	SAS or SATA	
Drive Bays	12 x 3.5" SAS/SATA hot-swap disk drive bays	
Storage Capacity	Single disk option: 1T, or 2T, or 4T, or 8TB; 0~12pcs of hard drives at your choice	
RAID Type	RAID5, 11+1, 1 LUN RAID5, 5+1, 2 LUNs (for CloudAqua+Ceph) RAID5, 3+1, 3 LUNs RAID5, 2+1, 4 LUNs	RAID6, 10+2, 1 LUN RAID6, 4+2, 2 LUNs RAID6, 2+2, 3 LUNs
Power Supply	Two Redundant 550W power supplies (1+1 redundancy) AC Input: 100-240 V, 50-60 Hz, 7-3.5 Amp DC Output: 3 Amp @ + 5V standby ; 45 Amp , @ +12V	
Operating Environment (System)	Operating temperature: Non-operating temperature: Operating humidity: Non-operating humidity:	5°C ~ 35°C (41°F ~ 95°F) 0°C ~ 50°C (32°F ~ 122°F) 8% ~ 90% (non-condensing) 5% ~ 95% (non-condensing)

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