



UML N36 provides up to 288TB storage capacity

Universal MediaLibrary N36 Series

High Density Storage with Single Controller

The Universal Media Library N36 (abbreviated as UML N36 hereinafter), released by XOR Media, boasts its high density, immense storage capacity, and high performance as well as cost efficiency. It can be deployed as cloud system easily by loading XOR Cloud Aqua, offering steady, safe, and reliable data storage services for all kinds of large volumes of data and stream media applications.

As an upgraded product of UML, the storage capacity of UML N36 is greatly enhanced. There are 36 drive bays (24 front +12 rear) enclosed in a 4RU chassis, which is compatible with both SAS and SATA disks. At present, its full capacity reaches up to 288TB.

Each UML N36 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, N36 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 N36 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 N36 features NAS access in the file system. All files can be accessed and managed in a single global namespace.

The UML N36 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 N36 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

- 4RU chassis
- Capacity: single disk as 1TB/2TB/4TB/8TB, 36 drive bays, up to 288TB
- 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 N36-series Product Specifications

Chassis	4RU	
Dimensions (W x H x D)	17" (430mm) x 7" (177mm) x 26" (679mm)	
Weight	152lbs (69kg)	
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	36 x 3.5" SAS/SATA hot-swap disk drive bays (24 front +12 rear)	
Storage Capacity	Single disk option: 1T, or 2T, or 4T, or 8T; 0~36pcs of hard drives at your choice	
RAID Type	RAID5, 17+1, 2 LUNs RAID5, 11+1, 3 LUNs RAID5, 8+1, 4 LUNs (for CloudAqua + Ceph) RAID5, 5+1, 6 LUNs	RAID6, 16+2, 2 LUNs RAID6, 10+2, 3 LUNs RAID6, 7+2, 4 LUNs RAID6, 4+2, 6 LUNs
Power Supply	Two 1200W power supplies (1+1 redundancy) • AC input: 1000W @ 100-127 V, 50-60 Hz, 12A 1200W @ 200-240V, 50-60Hz, 7.5A • DC output: 1000W: +12V/82A; +12VSB/3A 1200W: +12V/100A; +12VSB/4A	
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)