

XCubeNAS 7000R Series

Self-encrypting technology called SED (Self-Encrypting Drive) makes the XCubeNAS a much safer prospect for businesses.

Even if the physical drive is stolen or misplaced, the data on it remains protected against data breach by generating the authentication key to prevent malicious access.



CPU

Intel® Core i3 3.9GHz
Dual-Core Processor

RAM

8GB DDR4 U-DIMM
(Max 64GB)

Scalability

Connect up to 8
expansion units

PCIe Expansion

Support 12Gb/s SAS
Adapter Card

Best Enterprise-Level Encryption Solution



SED

Supports self-encrypting drive tech



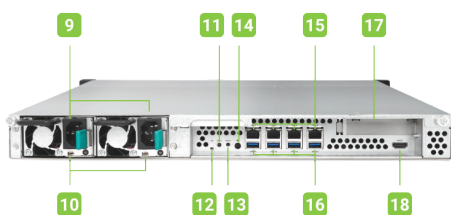
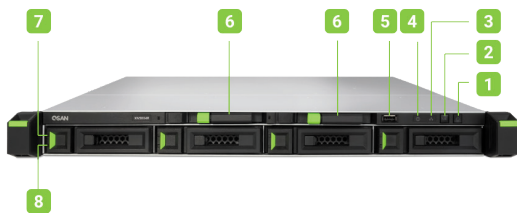
Smart Snapshot Retention

More protection, less resources



Rsync

Distribute data to trusted locations



Diagram* (XN7004R shown)

- | | | | |
|-----------|--------------------------|-----------|----------------------|
| 1 | Power Button | 12 | Mute Button |
| 2 | Unique Identifier Button | 13 | Reset Button |
| 3 | System Access Indicator | 14 | Console Port |
| 4 | System Status Indicator | 15 | Gigabit LAN Port |
| 5 | USB 2.0 Port | 16 | USB 3.0 Port |
| 6 | SATA SSD Port | 17 | Additional PCIe Slot |
| 7 | Drive Power Indicator | 18 | HDMI Port |
| 8 | Drive Status Indicator | | |
| 9 | Power Supply Port | | |
| 10 | PSU Indicator | | |
| 11 | UID LED Indicator | | |

*Illustrative, other models may vary

Specifications

	XN7004R	XN7008R	XN7008RE	XN7012R	XN7012RE
Hardware Specs					
Architecture	All-in-one	All-in-one	All-in-one	All-in-one	All-in-one
Storage OS	QSM 3	QSM 3	QSM 3	QSM 3	QSM 3
Memory					
System Flash	8GB USB DOM	8GB USB DOM	8GB USB DOM	8GB USB DOM	8GB USB DOM
Memory Module Pre-Installed	8GB DDR4 U-DIMM	8GB DDR4 U-DIMM	8GB DDR4 U-DIMM	8GB DDR4 U-DIMM	8GB DDR4 U-DIMM
Total Memory Slots	4	4	4	4	4
Memory Expandable To	64GB	64GB	64GB	64GB	64GB
Storage					
Drive Bays	3.5" Slot x 4 2.5" Slot x 2	3.5" Slot x 8 2.5" Slot x 6	3.5" Slot x 8	3.5" Slot x 12	3.5" Slot x 12
Max Drive Bays with Expansion Unit	214	222	216	226	220
Drive Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
Max Internal Raw Capacity	60TB	122TB	112TB	178TB	168TB
Max Raw Capacity w/ Expansion Units	2,748TB	2,810TB	2,800TB	2,866TB	2,856TB
Hot Swappable Drive	Yes	Yes	Yes	Yes	Yes
External Port					
USB 2.0 Port	1 (Front)	1 (Front)	1 (Front)	1 (Front)	1 (Front)
USB 3.0 Port	4 (Rear)	4 (Rear)	4 (Rear)	4 (Rear)	4 (Rear)
Others	HMI Port x 1 Console Port x1	HDMI Port x 1 Console Port x1	HDMI Port x 1 Console Port x1	HDMI Port x 1 Console Port x1	HDMI Port x 1 Console Port x1
Connectivity Port					
1GbE RJ45 LAN Port	4 (Onboard)	4 (Onboard)	4 (Onboard)	4 (Onboard)	4 (Onboard)
10GbE RJ45 LAN Port	2 (Option: THBE10R2)	2 (Option: THBE10R2)	2 (Option: THBE10R2)	2 (Option: THBE10R2)	2 (Option: THBE10R2)
10GbE SFP+ LAN Port	2 (Option: XN-E1002)	2 (Option: XN-E1002)	2 (Option: XN-E1002)	2 (Option: XN-E1002)	2 (Option: XN-E1002)
Thunderbolt 3	2 (Option: XN-TB302)	2 (Option: XN-TB302)	2 (Option: XN-TB302)	2 (Option: XN-TB302)	2 (Option: XN-TB302)
Expansion Port					
12Gb/s SAS Wide Port	2 (Option: XN-S1202)	2 (Option: XN-S1202)	2 (Option: XN-S1202)	2 (Option: XN-S1202)	2 (Option: XN-S1202)
PCIe Expansion					
Gen3x8 Slot	1	1	1	1	1
Gen3x4 Slot	-	1	1	1	1
Others					
Replaceable System Fan	Yes	Yes	Yes	Yes	Yes
Power Recovery	Yes	Yes	Yes	Yes	Yes
Scheduled Power On/ Off	Yes	Yes	Yes	Yes	Yes
Wake on LAN/WAN	Yes	Yes	Yes	Yes	Yes
Power Supply Unit/ Adapter	250W x 2	250W x 2	250W x 2	250W x 2	250W x 2
Redundant Power Supply	Yes	Yes	Yes	Yes	Yes
Certifications	CE, FCC, BSMI, VCCI, RCM, SASO, EAC	CE, FCC, BSMI, VCCI, RCM, SASO, EAC	CE, FCC, BSMI, VCCI, RCM	CE, FCC, BSMI, VCCI, RCM, SASO, EAC	CE, FCC, BSMI, VCCI, RCM
Warranty	3 Years RTB	3 Years RTB	3 Years RTB	3 Years RTB	3 Years RTB