

XCubeNAS 8000R Series

Highly efficient, the XN8000R Series are designed for SMB and enterprise applications. Powered by the latest generation of Intel® Kaby Lake processors and up to 64GB of DDR4 ECC RAM, this series uses cutting edge NVMe SSD technology with two additional on-board NVMe slots for blazing performance and capacity expansion.



CPU
Intel® Xeon® 3.3GHz
Quad-Core Processor

RAM
8GB DDR4 U-DIMM
(Max 64GB)

Hybrid Storage
Innovative N+6 Drive
Tray Design

PCIe Expansion
Next Generation
Thunderbolt 3

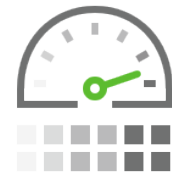
Ultra-High Performance



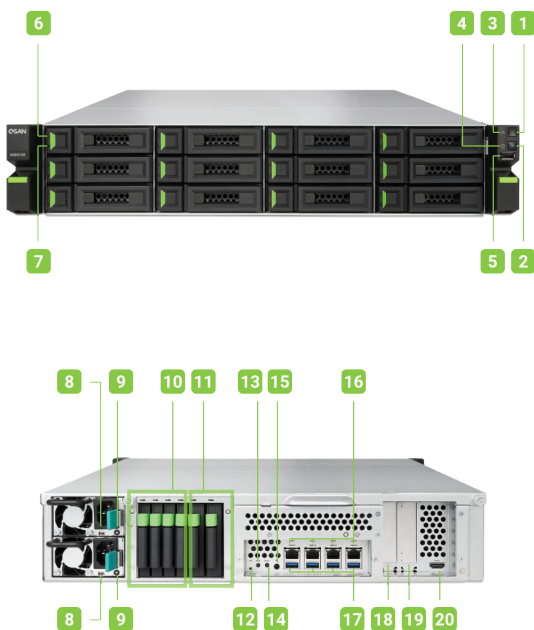
Snapshot Single File Recovery
Execute point-in-time recovery



Thin Provision
Dynamic distribution of space resources



Auto-Tiering
Increase performance of business apps



Diagram* (XN8012R shown)

- | | |
|-----------------------------------|--------------------------------|
| 1 Power Button | 12 UID LED Indicator |
| 2 Unique Identifier Button | 13 Mute Button |
| 3 System Access Indicator | 14 Reset Button |
| 4 System Status Indicator | 15 Console Port |
| 5 USB 2.0 Port | 16 Gigabit LAN Port |
| 6 Drive Power Indicator | 17 USB 3.0 Port |
| 7 Drive Status Indicator | 18 Additional PCIe Slot |
| 8 Power Supply Port | 19 Additional PCIe Slot |
| 9 PSU Indicator | 20 HDMI Port |
| 10 SATA SSD Slot | |
| 11 NVMe SSD Slot | |

*Illustrative, other models may vary

	XN8012R	XN8012RE	XN8008R	XN8008RE
Hardware Specs				
Architecture	All-in-one	All-in-one	All-in-one	All-in-one
Storage OS	QSM 3	QSM 3	QSM 3	QSM 3
Memory				
System Flash	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
Total Memory Slots	4	4	4	4
Memory Expandable To	64GB	64GB	64GB	64GB
Storage				
Drive Bays	3.5" Slot x 12 2.5" Slot x 6	3.5" Slot x 12	3.5" Slot x 8 2.5" Slot x 6	3.5" Slot x 8
Max Drive Bays with Expansion Unit	226	220	222	216
Drive Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
Max Internal Raw Capacity	178TB	168TB	122TB	112TB
Max Raw Capacity w/ Expansion Units	2,866TB	2,856TB	2,810TB	2,800TB
Hot Swappable Drive	Yes	Yes	Yes	Yes
External Port				
USB 2.0 Port	1 (Front)	1 (Front)	1 (Front)	1 (Front)
USB 3.0 Port	4 (Rear)	4 (Rear)	4 (Rear)	4 (Rear)
HDMI Port	1	1	1	1
Others	Console Port x 1	Console Port x 1	Console Port x 1	Console Port x 1
Connectivity Port				
1GbE RJ45 LAN Port	4 (Onboard)	4 (Onboard)	4 (Onboard)	4 (Onboard)
10GbE RJ45 LAN Port	2 (Option: RHBE10R2)	2 (Option: RHBE10R2)	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)
Thunderbolt 3	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)
PCIe Expansion				
Gen3x8 Slot	1	1	1	1
Gen3x4 Slot	1	1	1	1
Others				
System Fan	60mm x 60mm x 3 pcs 40mm x 40mm x 1 pcs	60mm x 60mm x 3 pcs	60mm x 60mm x 3 pcs 40mm x 40mm x 1 pcs	60mm x 60mm x 3 pcs
Replaceable System Fan	Yes	Yes	Yes	Yes
Power Recovery	Yes	Yes	Yes	Yes
Scheduled Power On/Off	Yes	Yes	Yes	Yes
Wake on LAN/WAN	Yes	Yes	Yes	Yes
Power Supply Unit/ Adapter	250W x 2	250W x 2	250W x 2	250W x 2
Redundant Power Supply	Yes	Yes	Yes	Yes
Certifications	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