

# 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® 2.2GHz  
Quad-Core Processor

**RAM**  
8GB DDR4 ECC U-DIMM  
(Max 128GB)

**Easy Maintenance**  
Modulised Hardware  
Platform Design

**Network**  
Built-in  
10GbE solution

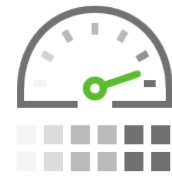
## Ultra-High Performance



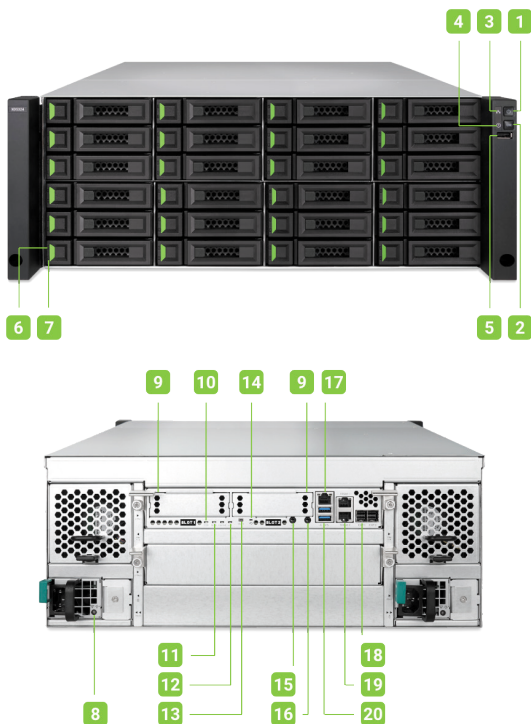
**Snapshot Single File Recovery**  
Execute point-in-time recovery



**Thin Provision**  
Dynamic distribution of space resources



**Auto-Tiering**  
Increase performance of business apps



**Diagram\***  
(XN8024R shown)

- |                                    |                               |
|------------------------------------|-------------------------------|
| <b>1</b> Power Button              | <b>12</b> UID LED Indicator   |
| <b>2</b> Unique Identifier Button  | <b>13</b> Mute Button         |
| <b>3</b> System Access Indicator   | <b>14</b> Reset Button        |
| <b>4</b> System Status Indicator   | <b>15</b> Console Port        |
| <b>5</b> USB 2.0 Port              | <b>16</b> Service Port        |
| <b>6</b> Drive Power Indicator     | <b>17</b> Gigabit LAN Port    |
| <b>7</b> Drive Status Indicator    | <b>18</b> 2Gb/s SAS Wide Port |
| <b>8</b> PSU Indicator             | <b>19</b> 10GbE LAN Port      |
| <b>9</b> Additional Host Card Slot | <b>20</b> USB 3.0 Port        |
| <b>10</b> Controller Status LED    |                               |
| <b>11</b> Master/Slave LED         |                               |

\*Illustrative, other models may vary

# Specifications

	XN8024R	XN8016R
<b>Hardware Specs</b>		
Architecture	All-in-one	All-in-one
Storage OS	QSM 3	QSM 3
<b>Memory</b>		
System Flash	8GB SATA DOM	8GB SATA DOM
Memory Module Pre-Installed	8GB DDR4 ECC U-DIMM	8GB DDR4 ECC U-DIMM
Total Memory Slots	4	4
Memory Expandable To	128GB	128GB
<b>Storage</b>		
Drive Bays	3.5" Slot x 24	3.5" Slot x 16
Max Drive Bays with Expansion Unit	232	224
Drive Interface	SATA 12Gb/s & SATA 6Gb/s	SATA 12Gb/s & SATA 6Gb/s
Max Internal Raw Capacity	336TB	224TB
Max Raw Capacity w/ Expansion Units	3,024TB	2,912TB
Hot Swappable Drive	Yes	Yes
<b>External Port</b>		
USB 2.0 Port	1 (Front)	1 (Front)
USB 3.0 Port	2 (Rear)	2 (Rear)
HDMI Port	-	-
Others	Console Port x 1	Console Port x 1
<b>Connectivity Port</b>		
1GbE RJ45 LAN Port	1 (Onboard) 4 (Option: HQ-01G4T)	1 (Onboard) 4 (Option: HQ-01G4T)
10GbE RJ45 LAN Port	2 (Onboard) 2 (Option: HQ-10G2T)	2 (Onboard) 2 (Option: HQ-10G2T)
10GbE SFP+ LAN Port	4 (Option: HQ-10G4S2)	4 (Option: HQ-10G4S2)
16Gb SFP+ Fibre Channel	4 (Option: HQ-16F4S2) 2 (Option: HQ-16F2S2)	4 (Option: HQ-16F4S2) 2 (Option: HQ-16F2S2)
<b>Expansion Port</b>		
12Gb/s SAS Wide Port	2 (Onboard)	2 (Onboard)
<b>Host Card Expansion</b>		
Gen3x8 Slot	1	1
Gen2x4 Slot	1	1
<b>Others</b>		
Replaceable System Fan	Yes	Yes
Power Recovery	Yes	Yes
Scheduled Power On/ Off	Yes	Yes
Wake on LAN/WAN	Yes	Yes
Certifications	CE, FCC, BSMI, VCCI	CE, FCC, BSMI, VCCI
Warranty	3 Years RTB	3 Years RTB