



XCubeNAS

XN5004R



Hardware Specifications

Architecture

All-In-One



Storage OS

QSM Specification Details

XN5004R CPU Features Specs



Processor	Intel ® Celeron ®
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CPU Architecture	64-bit
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CPU Frequency	Dual-Core 2.9GHz
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Memory

System Flash	8GB USB DOM
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Memory Module Pre-installed	8GB DDR4 U-DIMM
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Total Memory Slots	4
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Memory Expandable up to	64 GB
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Notes	-
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Storage

Drive Bays	3.5" Slot x 4 2.5" Slot x 2
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Maximum Drive Bays with Expansion Unit	414
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Compatible Drive Type	3.5" SATA HDD 2.5" SATA HDD 2.5" SATA SSD
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Drive Interface	SATA 6Gb/s (backward compatible with SATA 3Gb/s)
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Maximum Internal Raw Capacity	96TB
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Maximum Raw Capacity with Expansion Units	8,256TB
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Hot Swappable Drive	
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Notes	<ul style="list-style-type: none"> • For more information, please refer to compatibility matrix and hardware manual • Maximum internal raw capacity= Max HDD capacity x 4 + Max SSD capacity x 2 • Capacity may vary by RAID types
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External Port

USB 2.0 Port	1 (Front)
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USB 3.0 Port	4 (Rear)
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HDMI Port	1
Others Features Specs	Console Port x1 
Notes	-
Connectivity Port	
1GbE RJ45 LAN Port	4 (Onboard)
10GbE RJ45 LAN Port	2 (Option)
10GbE SFP+ LAN Port	2 (Option)
25GbE SFP28 LAN Port	2 iSCSI (Option)
Thunderbolt 3	2 (Option)
16Gb SFP+ Fibre Channel	-
Notes	For more information, please refer to accessory book Please refer to the section below for expansion slot specification
Expansion Port	
12Gb/s SAS Wide Port	2 (Option)
Notes	For more information, please refer to accessory book
PCIe Expansion	
Gen3x8 Slot	1
Gen3x4 Slot	-
Notes	For more information, please refer to hardware manual
Host Card Expansion	
Gen3x8 Slot	-
Gen2x4 Slot	-
Notes	-
Appearance	
Dimension (H x W x D) (mm)	44 x 438 x 510
Chassis Form Factor	19" Rackmount 1U 4+2 Bay 

Net Weight (kg)	-
X Gross Weight (kg)	-
Notes	-
Memory Protection	
Cache-to-Flash Module	-
Battery Backup Module + Flash Module	-
Notes	-
Others	
System Fan	40mm x 40mm x 3 pcs
Replaceable System Fan	
Power Recovery	
Scheduled Power On/Off	
Wake on LAN/WAN	
Power Supply Unit / Adapter	250W x2
Redundant Power Supply	
AC Input Power Voltage	100V-240V
Power Frequency	50-60 Hz, Single Phase
Power Consumption	107 W (Access) 83 W (HDD Hibernation)
British Thermal Unit	364 BTU/hr (Access) 284 BTU/hr (HDD Hibernation)
LCM Support	
Notes	-
Environment Temperature	
Operating Temperature	0 to 40°C
Storage Temperature	-10°C to 50°C