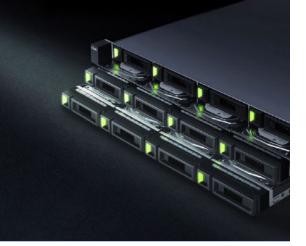
Data Sheet



QSAN Network Attached Storage

XN2 Series

Flash-Ready and Bandwidth-Optimized for Demanding Workloads

Flash-Ready for Performance Acceleration

The XN2 series is high-density network attached storage system for SMB with mixed form factor expansion slots, for a total of up to 18 disks. Equipped with extra SSD bays which offer different configurations, the XN2 built-in M.2 and U.2 interfaces deliver superior, uncompromising server-grade performance for modern enterprise applications, versatile I/O expansion, and multi-layer security that ensure bulletproof data protection.

One Storage for All Platforms

XN2 can replace the file server, integrate applications, and virtual servers. It can also simplify the process of integrating storage through the existing network.

- Multi protocols support of CIFS / FTP / iSCSI / NFS / WebDAV for all applications.
- Support Windows AD and LDAP Directory Services and Windows ACLs and advanced ACL for stable file service.

Efficiently Data Store to Do More with Less

Your backup and archive size will become huge, so data efficiency is very important too. Every bit counts!

- **Deduplication** With deduplication, QSM will auto remove the redundant data object to reduce the usage of storage capacity.
- **Compression** Helping IT reduce the amount of storage you need to purchase and maintain.
- **Thin Provisioning** Without limiting how much of the quota can be used by each. With thin provisioning, your business applications can achieve higher flexibility and promising potentials.
- Hybrid SSD Cache Comprehensive performance-oriented, improved design. One SSD to provide both read and write cache to achieve cost-efficiency without compromising performance.

Protect Your Business from Any Threat

QSM continuously evolves our security level to protect data across storage and adhere to industry best practices from software to physical. Moreover, with a variety of built-in backup applications that help you complete data backup and data integrity. QSM can assure your assets are well-handled in our unified storage.

Key Benefits

Performance Ready for Intensive Workloads

• Flash ready with built-in quad 10 GbE to accelerate I/O-intensive workloads with nimble data transmission speeds, ensuring smooth user experience

I/O Scale-Up for Large Bandwidth

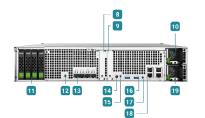
- Scalability up to the multi-petabyte level, with no practical limitations to volume or pool size
- Maximize availability according to your needs to conveniently store mission-critical data in a single pool

Multi-Layer Security

• WORM (Write Once Read Many), pool encryption, and SED (Self-Encrypting Drive) allow powerful folder, pool, and drive levels of security that shield users from cyberattacks and physical theft







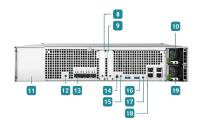
- 1. Enclosure Status LED
- 2. Enclosure Access LED
- 3. Enclosure Power Button / LED
- 4. Disk Drive Status LED
- 5. Disk Drive Power LED
- 6. USB Port
- 7. UID (Unique Identifier) Button / LED
- 8. Host Card Slot 1 (host card is an optional part)
- 9. Host Card Slot 2 (host card is an optional part)
- 10. Power Supply Unit 1
- 11. 2.5" NVMe U.2 SSD
- 12. Reset to Factory Default Button
- 13. 10 GbE LAN Port
- 14. Console Port
- 15. Buzzer Mute Button
- 16. USB Port
- 17. UID (Unique Identifier) LED
- 18. 2.5 GbE LAN Port
- 19. Power Supply Unit 2

System Specification

Model Name	XN2216-8C	XN2216-4C
Architecture	Single controller	
CPU		
Processor	Intel® Xeon® 8-core	Intel® Xeon® 4-core
Memory		
Memory Module Pre-installed	8 GB DDR4 ECC DIMM	
Total Memory Slots	4	
Memory Expandable up to	256 GB	
Storage		
Drive Bays	3.5" Slot x 12 2.5" Slot x 4	
Drive Days	M.2 Slot x 2	
Maximum Drive Bays with Expansion Unit	426	
	3.5" SATA HDD & 2.5" SATA SSD	
Compatible Drive Type	2.5" U.2 NVMe SSD	
	M.2 NVMe SSD	
Drive Interface	SATA (6 Gb/s) U.2 NVMe (PCIe Gen 3x2)	
Drive interface	M.2 NVMe (PCIe Gen 3x2)	
Maximum Internal Raw Capacity	333 TB	
Maximum Raw Capacity with Expansion	9,309 TB	
Hot Swappable Drive	Yes (M.2 slot does not support hot plugg	jing)
Connectivity Port		
PCIe Expansion	(Gen 4x8 Slot) x 1, (Gen 4x4 Slot) x 1	
2.5 GbE RJ45 LAN Port	4 (onboard)	
10 GbE SFP+ LAN Port	4 (onboard) / 2 (option)	
10 GbE RJ45 LAN Port	2 (option)	
25 GbE SFP28 LAN Port	2 (option)	
Expansion and External Port		
12 Gb/s SAS Wide Port	2 (option)	
USB Port	1 (front) / 2 (rear)	
Others	Console Port x 1	
Software Specification		
Storage OS	QSM 4	
RAID Type	0 / 1 / 5 / 6 / 10 / 50 / 60 / 5EE / 6EE / 5	DEE / 60EE
Storage Efficiency	Thin provisioning / Deduplication (option	
Software Acceleration	SSD cache / Auto tiering / RDMA);p:(+p)
Data Protection	Snapshot / Asynchronous / Synchronous (option)	
Backup Service	Rsync / S3 backup / Cloud backup* / XM	
Security	SSL / ISCSI CHAP / ISE & SED / WORM /	
Support Protocols	CIFS / NFS / FTP / WebDAV / iSCSI / FC	
Management	Web UI / Window AD / LDAP / RESTful A	
Appearance		
Dimension (H x W x D) (mm)	88 x 438 x 515	
Net Weight (kg)	11.6	
Gross Weight (kg)	16.2	
Others		
System Fan	2 pcs	
Power Supply Unit	450 W x 2 (80 Plus Platinum)	
Power Consumption	321 W	
Certification	CE / FCC / BSMI	
Standard Warranty	System: 5 years	System: 3 years
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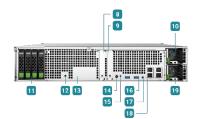
- 1. Enclosure Status LED
- 2. Enclosure Access LED
- 3. Enclosure Power Button / LED
- 4. Disk Drive Status LED
- 5. Disk Drive Power LED
- 6. USB Port
- 7. UID (Unique Identifier) Button / LED
- 8. Host Card Slot 1 (host card is an optional part)
- 9. Host Card Slot 2 (host card is an optional part)
- 10. Power Supply Unit 1
- 11. Empty
- 12. Reset to Factory Default Button
- 13. 10 GbE LAN Port
- 14. Console Port
- 15. Buzzer Mute Button
- 16. USB Port
- 17. UID (Unique Identifier) LED
- 18. 2.5 GbE LAN Port
- 19. Power Supply Unit 2

System Specification

Induct Nation Attract I2×00 Attract I2×00 Architecture Single controller OPU Intel® Xeon® & Core Memory Intel® Xeon® & Core Memory Module Pre-installed 8 GB DDR4 EGC DIMM Total Memory Sists 4 Memory Expandable up to 255 GB Storage 35 Sist x 12 Maximum Drive Bays with Expansion 422 Compatible Drive Type 35 Sist X1 A HOD & 25 SIT X SSD Maximum Drive Bays with Expansion 422 Compatible Drive Type 35 Sist X1 A HOD & 2.5 SIT X SSD Maximum Internal Raw Capacity 272 TB Maximum Internal Raw Capacity with expansion 9.248 TB Hot Swapable Drive Yes (M 2 slot does not support hot plugging) Connectivity Port PCIe Expansion Colle Expansion (Gen 4x8 Slot) x1, (Gen 4x4 Slot) x1 Die Expansion (Gen 4x8 Slot) x1, (Gen 4x4 Slot) x1 Die Expansion and External Port 2 (option) 2 So Experiment 2 (option) 2 So Experiment 2 (option) 2 Sorage OS QSM 4 R Di	Model Name	XN2212-8C	XN2212-4C
CPU Intel® Xeon® 8-core Intel® Xeon® 4-core Memory Module Pre-installed 8 GB DDR4 ECC DIMM Memory Module Pre-installed 8 GB DDR4 ECC DIMM Total Memory Slots 4 Memory Module Pre-installed 8 GB DDR4 ECC DIMM Total Memory Slots 4 Memory Module Pre-installed 8 GB DDR4 ECC DIMM Total Memory Slots 4 Memory Module Pre-installed 8 GB DDR4 ECC DIMM Total Memory Slots 4 Memory Module Pre-installed 8 ST Slot x 12 Maximum Drive Bays with Expansion Unit 422 Compatible Drive Type 3.5' SATA HDD & 2.5' SATA SD Maximum Internal Raw Capacity Maximum Rew Capacity with Expansion 92.48 TB Hot Swappable Drive Yes (M2 slot does not support hot plugging) Connectivity Port Yes (M2 slot does not support hot plugging) PCic Expansion (Gen 4x8 Slot) x 1 (Gen 4x4 Slot) x 1 10 GbE SFP+ LAN Port 4 (onboard) / 2 (option) 10 GbE SFP+ LAN Port 2 (option) 10 GbE SPP+ LAN Port 2 (option) 12 Gabr, SASS Wde Port 2 (option) 13 GbE SPS LAN Port 2 (option) 14 Grobuscity Yes (M2 erain) Others Consele Port x 1 Software Specification SSD cache / 10			XN2212-40
ProcessorIntel® Xeon® 8-coreIntel® Xeon® 4-coreMemory8 GB DDR4 EOC DIMMMemory Kodule Pre-installed8 GB DDR4 EOC DIMMTotal Memory Stots4Memory Expandable up to256 GBStorage		Single controller	
MemoryJob ConstraintsMemory Module Pre-Installed8 GB DDR4 ECC DIMMTotal Memory Stots4Memory Expandable up to256 GBStrage		Intel® Veen® 0 eere	Intel® Veen® 4 eere
Memory Module Pre-installedB GB DDR4 ECC DIMMTotal Memory Expandable up to256 GBStorage256 UKDrive BaysA.57 Stot x 12Maximum Drive Bays with Expansion Unit422Compatible Drive Type3.57 Stot x 12 AMaximum Drive Bays with Expansion Unit422Compatible Drive Type3.57 Stot x 10 AMaximum Brive Bays with Expansion Unit422Maximum BreeSATA (6 Gb/s) M.2 NVMe (PCIe Gen 3x2)Maximum Internal Raw Capacity272 TBMaximum Bree9.248 TBHot Swappable DriveYes (M.2 slot does not support hot plugging)Connectivity PortYes (M.2 slot does not support hot plugging)Connectivity PortConnectivity PortPCIe Expansion(Gen 4x8 Stot) x 1, (Gen 4x4 Stot) x 12.5 GbE JJAS LAN Port4 (onboard)10 GbE SFP-LAN Port2 (option)10 GbE SFP2 LAN Port2 (option)12 GbF SSP2 LAN Port2 (option)12 GbF SSP2 LAN Port2 (option)12 GbF SSP2 GBU A2 (option)13 GbE SFP2 BLAN Port2 (option)14 GbF SAS Wide Port2 (option)15 Gbrage OSQSM 4RADI(front) / 2 (rear)OthersConsele Port x 1Software SpecificationSingapech / Auto tiering / RDMAStorage OSQSM 4RADIShapech / Auto tiering / RDMABackup ServiceRaynchronous / Synchronous (option)Software SpecificationSingapech / Auto tiering / RDMASurgeore Hotocols </td <td></td> <td>Intel® Xeon® 8-core</td> <td>Intel® Xeon® 4-core</td>		Intel® Xeon® 8-core	Intel® Xeon® 4-core
Total Memory Stots 4 Memory Expandable up to 256 GB Storage 3.5° Slot x 12 M.2 Stot x 2 Drive Bays 3.5° Slot x 12 M.2 Stot x 2 Meadmum Drive Bays with Expansion Unit 422 Compatible Drive Type 3.5° STAT A HDD 8 2.5° SATA SSD M.2 NVMe SSD Drive Interface SATA (6 Gb/s) M.2 NVMe (PCle Gen 3x2) Maximum Internal Raw Capacity 272 TB Maximum Raw Capacity with Expansion 9.248 TB PCle Expansion (Gen 4x4 Slot) x 1 Connectivity Port Yes (M.2 slot does not support hot plugging) Connectivity Port 2.5 GbE FLASL NA Port PCle Expansion (Gen 4x4 Slot) x 1 (Gen 4x4 Slot) x 1 2.5 GbE FLASL NA Port 4 (onboard) / 2 (option) 10 GbE SFP3 LAN Port 2 (option) 25 GbE SFP3E LAN Port 2 (option) 25 GbE SP3E LAN Port 2 (option) 25 GbE SFP3E LAN Port 2 (option) 25 GbE SFP3E LAN Port <t< td=""><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td></td></t<>	· · · · · · · · · · · · · · · · · · ·		
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Compatible Drive TypeM.2 NVMe SSDDrive InterfaceSATA (6 Gb/s) Maximum Internal Raw Capacity272 TBMaximum Raw Capacity with Expansion9,248 TBHot Swappable DriveYes (M.2 slot does not support hot plugging)Connectivity PortPCIE Expansion(Gen 4x8 Slot) x1, (Gen 4x4 Slot) x12.5 GbE RJ45 LAN Port4 (onboard)10 GbE SFP+ LAN Port2 (option)10 GbE SFP+ LAN Port2 (option)10 GbE SFP+ LAN Port2 (option)25 GbE SFP28 LAN Port2 (option)26 GbF SFP28 LAN Port2 (option)27 Gb/s SAS Wide Port2 (option)28 GbF SFP28 LAN Port2 (option)29 Gb/s SAS Wide Port2 (option)20 SB Port1 (front) / 2 (rear)OthersConsole Port x 1Software SpecificationSDC ache / Auto tiering / RDMAStorage OSQSM 4RAID Type0 / 1 / 5 / 6 / 10 / 50 / 50 / 5EE / 50EE / 50EE / 50EEStorage OSQSM 4RAID TypeSD cache / Auto tiering / RDMAData ProtectionSSnapshot / Asynchronous (option)Software AccelerationSSD cache / Auto tiering / RDMAData ProtectionSnapshot / Asynchronous / Synchronous (option)Support ProtocolsCIFS / NFS / FTP / WebDAV / ISCSI / FCP / NVMe-oFManagementWeb UI / Window AD / LDAP / RESTful API / SE.S / LCMAppearanceDimension (H x W X D) (rm)88 x438 x 515Net Weight (kg)15.7OthersSystem Fan2 pcs		422	
Drive InterfaceM.2 NVMe (PCie Gen 3x2)Maximum Internal Raw Capacity272 TBMaximum Raw Capacity with spansion9,248 TBHot Swappable DriveYes (M.2 slot does not support hot plugging)Connectivity PortPCIe ExpansionPCIe Expansion(Gen 4x8 Slot) x 1, (Gen 4x4 Slot) x 12.5 GbE RJ45 LAN Port4 (onboard)10 GbE SFP+ LAN Port4 (onboard) / 2 (option)10 GbE SFP4 LAN Port2 (option)25 GbE SFP28 LAN Port <td>Compatible Drive Type</td> <td></td> <td></td>	Compatible Drive Type		
Maximum Raw Capacity with Expansion 9,248 TB Hot Swappable Drive Yes (M.2 slot does not support hot plugging) Connectivity Port PCIe Expansion (Gen 4x8 Slot) x 1, (Gen 4x4 Slot) x 1 2.5 GbE SFP+LAN Port 4 (onboard) 10 GbE SFP+LAN Port 4 (onboard) / 2 (option) 10 GbE SFP+LAN Port 2 (option) 25 GbE SFP2B LAN Port 2 (option) 25 GbE SFP2B LAN Port 2 (option) Expansion and External Port 2 (option) 12 Gb/s SAS Wide Port 2 (option) USB Port 1 (front) / 2 (rear) Others Consectivity Port Software Specification Storage OS Storage OS QSM 4 RAID Type 0 / 1 / 5 / 6 / 10 / 50 / 60 / 5EE / 6EE / 50EE / 60EE Storage OS QSM 4 RAID Type 0 / 1 / 5 / 6 / 10 / 50 / 60 / 5EE / 6EE / 50EE / 60EE Storage CS QSM 4 RAID Type 0 / 1 / 5 / 6 / 10 / 50 / 60 / 5EE / 6EE / 50EE / 60EE Storage Efficiency Thin provisioning / Deduplication (option) / Compression (option) Backup Service Raynch / X3 backup / Cloud backup / XMirror* / Microsoft 365 email backup Security SSL / ISCSI CHAP / ISE & SED / WORM / RBAC / Windows ACL / Antivirus Support Protocols CIFS / NFS / FTP / WebDAV / ISCSI / FCP / NVMe-oF <td>Drive Interface</td> <td></td> <td></td>	Drive Interface		
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Connectivity PortPCIe Expansion(Gen 4x8 Slot) x 1, (Gen 4x4 Slot) x 12.5 GbE RJ45 LAN Port4 (onboard) / 2 (option)10 GbE SFP-LAN Port2 (option)25 GbE RJ45 LAN Port2 (option)25 GbE SFP28 LAN Port2 (option)25 GbE SFP28 LAN Port2 (option)25 GbE SFP28 LAN Port2 (option)26 bre SFP28 LAN Port2 (option)USB Port1 (front) / 2 (rear)OthersConsole Port x 1Software SpecificationSoftware SpecificationStorage OSQSM 4RAID Type0 / 1 / 5 / 6 / 10 / 50 / 60 / 5EE / 6EE / 50EE / 60EEStorage EfficiencyThin provisioning / Deduplication (option) / Compression (option)Software AccelerationSSD cache / Auto tiering / RDMAData ProtectionSnapshot / Asynchronous / Synchronous (option)Software AccelerationSSL cache / Auto tiering / RDMAData ProtectionSnapshot / Asynchronous / Synchronous (option)Software AccelerationSSL cache / Auto tiering / RDMAData ProtectionSnapshot / Asynchronous / Synchronous (option)SecuritySSL / SSL SICSI CHAP / ISE & SED / WORM / RBAC / Windows ACL / AntivirusSupport ProtocolsCIFS / NFS / FTP / WebDAV / ISCSI / FCP / NVMe-oFManagementWeb UI / Window AD / LDAP / RESTful API / S.E.S. / LGMAppearanceUes Site (SQ)Dimension (H x W x D) (mm)88 x 438 x 515Net Weight (kg)15.7OthersSystem FanSystem Fan2 pcsPower Supply Unit450	Maximum Raw Capacity with Expansion	9,248 TB	
PCIe Expansion(Gen 4x8 Stol) x 1, (Gen 4x4 Stol) x 12.5 GbE RJ45 LAN Port4 (onboard)10 GbE SFP+ LAN Port2 (option)25 GbE RJ45 LAN Port2 (option)25 GbE SFP28 LAN Port2 (option)25 GbE SFP28 LAN Port2 (option)Expansion and External Port2 (option)USB Port1 (front) / 2 (rear)OthersConsole Port x 1Software SpecificationSoftware SpecificationStorage OSQSM 4RAID Type0 / 1 / 5 / 6 / 10 / 50 / 60 / 5EE / 6EE / 50EE / 60EEStorage EfficiencyThin provisioning / Deduplication (option) / Compression (option)Software AccelerationSSD cache / Auto tiering / RDMAData ProtectionSnapshot / Asynchronous / Synchronous (option)Backup ServiceRsync / SS abckup / Cloud backup / XMiror* / Microsoft 365 email backupSecuritySSL / ISCSI CHAP / ISE & SED / WORM / RBAC / Windows ACL / AntivirusSupport ProtocolsCIFS / NFS / FTP / WebDAV / ISCSI / FCP / NVMe-oFManagementWeb UI / Window AD / LDAP / RESTful API / S.E.S. / LCMAppearanceDimension (H x W x D) (mm)Ba x 438 x 515Net Weight (kg)Net Weight (kg)11.1Gross Weight (kg)15.7OthersSystem FanSystem Fan2 pcsPower Consumption271 WCertificationCE / FCC / BSMI	Hot Swappable Drive	Yes (M.2 slot does not support hot pluggi	ng)
2.5 GbE RJ45 LAN Port4 (onboard)10 GbE SFP+ LAN Port4 (onboard) / 2 (option)10 GbE RJ45 LAN Port2 (option)25 GbE SFP28 LAN Port2 (option)25 GbE SFP28 LAN Port2 (option)Expansion and External Port12 (b/s SAS Wide Port12 Gb/s SAS Wide Port2 (option)USB Port1 (front) / 2 (rear)OthersConsole Port x 1Software SpecificationStorage OSStorage OSQSM 4RAID Type0 / 1 / 5 / 6 / 10 / 50 / 60 / 5EE / 6EE / 50EE / 60EEStorage EfficiencyThin provisioning / Deduplication (option) / Compression (option)Software AccelerationSSD cache / Auto tiering / RDMAData ProtectionSnapshot / Asynchronous / Synchronous (option)Backup ServiceRsync / S3 backup / Cloud backup / XMirror* / Microsoft 365 email backupSecuritySSL / ISCSI CHAP / ISE & SED / WORM / RBAC / Windows ACL / AntivirusSupport ProtocolsCIFS / NFS / FTP / WebDAV / ISCSI / FCP / NVMe-oFManagementWeb UI / Window AD / LDAP / RESTful API / SE.S. / LCMAppearanceDimension (H x W x D) (mm)B8 x 438 x 515Net Weight (kg)Net Weight (kg)11.1Gross Weight (kg)15.7OthersSupply UnitSystem Fan2 pcsPower Supply Unit450 W x 2 (80 Plus Platinum)Power Consumption271 WCertificationCE / FCC / BSMI	Connectivity Port		
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USB Port1 (front) / 2 (rear)OthersConsole Port x 1Software SpecificationStorage OSQSM 4RAID Type0 / 1 / 5 / 6 / 10 / 50 / 60 / 5EE / 6EE / 50EE / 60EEStorage EfficiencyThin provisioning / Deduplication (option) / Compression (option)Software AccelerationSSD cache / Auto tiering / RDMAData ProtectionSnapshot / Asynchronous / Synchronous (option)Backup ServiceRsync / S3 backup / Cloud backup* / XMirror* / Microsoft 365 email backupSecuritySSL / iSCSI CHAP / ISE & SED / WORM / RBAC / Windows ACL / AntivirusSupport ProtocolsCIFS / NFS / FTP / WebDAV / iSCSI / FCP / NVMe-oFManagementWeb UI / Window AD / LDAP / RESTful API / S.E. / LCMAppearanceDimension (H x W x D) (mm)88 x 438 x 515Net Weight (kg)11.1Gross Weight (kg)15.7OthersSystem Fan2 pcsPower Supply Unit450 W x 2 (80 Plus Platinum)Power Consumption271 WCertificationCE / FCC / BSMI	Expansion and External Port		
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Support ProtocolsCIFS / NFS / FTP / WebDAV / iSCSI / FCP / NVMe-oFManagementWeb UI / Window AD / LDAP / RESTful API / S.E.S. / LCMAppearanceDimension (H x W x D) (mm)88 x 438 x 515Net Weight (kg)11.1Gross Weight (kg)15.7OthersSystem Fan2 pcsPower Supply Unit450 W x 2 (80 Plus Platinum)Power Consumption271 WCertificationCE / FCC / BSMI	Backup Service	Rsync / S3 backup / Cloud backup* / XMi	rror* / Microsoft 365 email backup
Management Web UI / Window AD / LDAP / RESTFul API / S.E.S. / LCM Appearance Dimension (H x W x D) (mm) 88 x 438 x 515 Net Weight (kg) 11.1 Gross Weight (kg) 15.7 Others 2 pcs System Fan 2 pcs Power Supply Unit 450 W x 2 (80 Plus Platinum) Power Consumption 271 W Certification CE / FCC / BSMI Certification CE / FCC / BSMI	Security	SSL / ISCSI CHAP / ISE & SED / WORM / I	RBAC / Windows ACL / Antivirus
Appearance Dimension (H x W x D) (mm) 88 x 438 x 515 Net Weight (kg) 11.1 Gross Weight (kg) 15.7 Others 2 System Fan 2 pcs Power Supply Unit 450 W x 2 (80 Plus Platinum) Power Consumption 271 W Certification CE / FCC / BSMI	Support Protocols	CIFS / NFS / FTP / WebDAV / iSCSI / FCP	/ NVMe-oF
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Net Weight (kg) 11.1 Gross Weight (kg) 15.7 Others 2 System Fan 2 pcs Power Supply Unit 450 W x 2 (80 Plus Platinum) Power Consumption 271 W Certification CE / FCC / BSMI	Appearance		
Gross Weight (kg) 15.7 Others 2 System Fan 2 pcs Power Supply Unit 450 W x 2 (80 Plus Platinum) Power Consumption 271 W Certification CE / FCC / BSMI	Dimension ($H \times W \times D$) (mm)	88 x 438 x 515	
Others System Fan 2 pcs Power Supply Unit 450 W x 2 (80 Plus Platinum) Power Consumption 271 W Certification CE / FCC / BSMI	Net Weight (kg)	11.1	
System Fan 2 pcs Power Supply Unit 450 W x 2 (80 Plus Platinum) Power Consumption 271 W Certification CE / FCC / BSMI	Gross Weight (kg)	15.7	
Power Supply Unit 450 W x 2 (80 Plus Platinum) Power Consumption 271 W Certification CE / FCC / BSMI	Others		
Power Consumption 271 W Certification CE / FCC / BSMI	System Fan	2 pcs	
Certification CE / FCC / BSMI	Power Supply Unit	450 W x 2 (80 Plus Platinum)	
	Power Consumption	271 W	
Standard Warranty System: 5 years System: 3 years		CE / FCC / BSMI	
	Standard Warranty	System: 5 years	System: 3 years







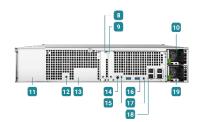
- 1. Enclosure Status LED
- 2. Enclosure Access LED
- 3. Enclosure Power Button / LED
- 4. Disk Drive Status LED
- 5. Disk Drive Power LED
- 6. USB Port
- 7. UID (Unique Identifier) Button / LED
- 8. Host Card Slot 1 (host card is an optional part)
- 9. Host Card Slot 2 (host card is an optional part)
- 10. Power Supply Unit 1
- 11. 2.5" NVMe U.2 SSD
- 12. Reset to Factory Default Button
- 13. Empty
- 14. Console Port
- 15. Buzzer Mute Button
- 16. USB Port
- 17. UID (Unique Identifier) LED
- 18. 2.5 GbE LAN Port
- 19. Power Supply Unit 2

System Specification

Model Name	VN2216-20
Model Name Architecture	XN2216-2C Single controller
CPU	
Processor	Intel® Xeon® 2-core
Memory	
Memory Module Pre-installed	8 GB DDR4 ECC DIMM
Total Memory Slots	4
Memory Expandable up to	256 GB
Storage	
Drive Bays	3.5" Slot x 12 2.5" Slot x 4 M.2 Slot x 2
Maximum Drive Bays with Expansion Unit	426
Compatible Drive Type	3.5" SATA HDD & 2.5" SATA SSD 2.5" U.2 NVMe SSD M.2 NVMe SSD
Drive Interface	SATA (6 Gb/s) U.2 NVMe (PCle Gen 3x2) M.2 NVMe (PCle Gen 3x2)
Maximum Internal Raw Capacity	333 TB
Maximum Raw Capacity with Expansion	9,309 TB
Hot Swappable Drive	Yes (M.2 slot does not support hot plugging)
Connectivity Port	
PCIe Expansion	(Gen 4x8 Slot) x 1, (Gen 4x4 Slot) x 1
2.5 GbE RJ45 LAN Port	4 (onboard)
10 GbE SFP+ LAN Port	2 (option)
10 GbE RJ45 LAN Port	2 (option)
25 GbE SFP28 LAN Port	2 (option)
Expansion and External Port	
12 Gb/s SAS Wide Port	2 (option)
USB Port	1 (front) / 2 (rear)
Others	Console Port x 1
Software Specification	
Storage OS	QSM 4
RAID Type	0 / 1 / 5 / 6 / 10 / 50 / 60 / 5EE / 6EE / 50EE / 60EE
Storage Efficiency	Thin provisioning / Deduplication (option) / Compression (option)
Software Acceleration	SSD cache / Auto tiering / RDMA
Data Protection	Snapshot / Asynchronous / Synchronous (option)
Backup Service	Rsync / S3 backup / Cloud backup* / XMirror* / Microsoft 365 email backup
Security	SSL / ISCSI CHAP / ISE & SED / WORM / RBAC / Windows ACL / Antivirus
Support Protocols	CIFS / NFS / FTP / WebDAV / iSCSI / FCP / NVMe-oF
Management	Web UI / Window AD / LDAP / RESTful API / S.E.S. / LCM
Appearance	
Dimension (H x W x D) (mm)	88 x 438 x 515
Net Weight (kg)	11.6
Gross Weight (kg)	16.2
Others	
System Fan	2 pcs
Power Supply Unit	450 W x 2 (80 Plus Platinum)
Power Consumption	299 W
Certification	CE / FCC / BSMI
Standard Warranty	System: 3 years
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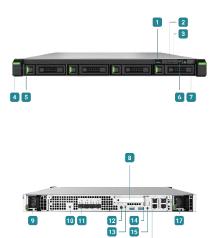


- 1. Enclosure Status LED
- 2. Enclosure Access LED
- 3. Enclosure Power Button / LED
- 4. Disk Drive Status LED
- 5. Disk Drive Power LED
- 6. USB Port
- 7. UID (Unique Identifier) Button / LED
- 8. Host Card Slot 1 (host card is an optional part)
- 9. Host Card Slot 2 (host card is an optional part)
- 10. Power Supply Unit 1
- 11. Empty
- 12. Reset to Factory Default Button
- 13. Empty
- 14. Console Port
- 15. Buzzer Mute Button
- 16. USB Port
- 17. UID (Unique Identifier) LED
- 18. 2.5 GbE LAN Port
- 19. Power Supply Unit 2

System Specification

Model Name	XN2212-2C
Architecture	Single controller
CPU	
	Intel® Veen® 0 eere
Processor	Intel® Xeon® 2-core
Memory	
Memory Module Pre-installed	8 GB DDR4 ECC DIMM
Total Memory Slots	4
Memory Expandable up to	256 GB
Storage	
Drive Bays	3.5" Slot x 12 M.2 Slot x 2
Maximum Drive Bays with Expansion Unit	422
Compatible Drive Type	3.5" SATA HDD & 2.5" SATA SSD M.2 NVMe SSD
Drive Interface	SATA (6 Gb/s) M.2 NVMe (PCle Gen 3x2)
Maximum Internal Raw Capacity	272 TB
Maximum Raw Capacity with Expansion	9,248 TB
Hot Swappable Drive	Yes (M.2 slot does not support hot plugging)
Connectivity Port	
PCIe Expansion	(Gen 4x8 Slot) x 1, (Gen 4x4 Slot) x 1
2.5 GbE RJ45 LAN Port	4 (onboard)
10 GbE SFP+ LAN Port	2 (option)
10 GbE RJ45 LAN Port	2 (option)
25 GbE SFP28 LAN Port	2 (option)
Expansion and External Port	
12 Gb/s SAS Wide Port	2 (option)
USB Port	1 (front) / 2 (rear)
Others	Console Port x 1
— — — — — — — — — — — — — — — — — — —	
Storage OS	QSM 4
RAID Type	0 / 1 / 5 / 6 / 10 / 50 / 60 / 5EE / 6EE / 50EE / 60EE
Storage Efficiency	Thin provisioning / Deduplication (option) / Compression (option)
Software Acceleration	SSD cache / Auto tiering / RDMA
Data Protection	Snapshot / Asynchronous / Synchronous (option)
Backup Service	Rsync / S3 backup / Cloud backup* / XMirror* / Microsoft 365 email backup
Security	SSL / iSCSI CHAP / ISE & SED / WORM / RBAC / Windows ACL / Antivirus
Support Protocols	CIFS / NFS / FTP / WebDAV / iSCSI / FCP / NVMe-oF
Management	Web UI / Window AD / LDAP / RESTful API / S.E.S. / LCM
Appearance	
Dimension (H x W x D) (mm)	88 x 438 x 515
Net Weight (kg)	11.1
Gross Weight (kg)	15.7
Others	
System Fan	2 pcs
Power Supply Unit	450 W x 2 (80 Plus Platinum)
Power Consumption	255 W
Certification	CE / FCC / BSMI
Standard Warranty	System: 3 years





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- 1. USB Port
- 2. Enclosure Status LED
- 3. Enclosure Access LED
- 4. Disk Drive Status LED
- 5. Disk Drive Power LED
- 6. UID (Unique Identifier) Button / LED
- 7. Enclosure Power Button / LED
- 8. Host Card Slot 1 (host card is an optional part)
- 9. Power Supply Unit 1
- 10. Reset to Factory Default Button
- 11. 10 GbE LAN Port
- 12. Console Port
- 13. Buzzer Mute Button
- 14. USB Port
- 15. UID (Unique Identifier) LED
- 16. 2.5 GbE LAN Port
- 17. Power Supply Unit 2

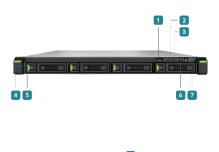
System Specification

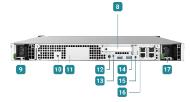
Model Name	XN2204-4C
Architecture	Single controller
CPU	
Processor	Intel® Xeon® 4-core
Memory	
	8 GB DDR4 ECC DIMM
Memory Module Pre-installed Total Memory Slots	4
Memory Expandable up to	256 GB
	230.95
Storage	3.5" Slot x 4
Drive Bays	M.2 Slot x 2
Maximum Drive Bays with Expansion Unit	414
Compatible Drive Type	3.5" SATA HDD & 2.5" SATA SSD 2.5" U.2 NVMe SSD M.2 NVMe SSD
Drive Interface	SATA (6 Gb/s) U.2 NVMe (PCIe Gen 3x2) M.2 NVMe (PCIe Gen 3x2)
Maximum Internal Raw Capacity	96 TB
Maximum Raw Capacity with Expansion	9,072 TB
Hot Swappable Drive	Yes (M.2 slot does not support hot plugging)
Connectivity Port	
PCIe Expansion	(Gen 4x8 Slot) x 1
2.5 GbE RJ45 LAN Port	4 (onboard)
10 GbE SFP+ LAN Port	4 (onboard) / 2 (option)
10 GbE RJ45 LAN Port	2 (option)
25 GbE SFP28 LAN Port	2 (option)
Expansion and External Port	
12 Gb/s SAS Wide Port	2 (option)
USB Port	1 (front) / 2 (rear)
Others	Console Port x 1
Software Specification	
Storage OS	QSM 4
RAID Type	0 / 1 / 5 / 6 / 10 / 50 / 60 / 5EE / 6EE / 50EE / 60EE
Storage Efficiency	Thin provisioning / Deduplication (option) / Compression (option)
Software Acceleration	SSD cache / Auto tiering / RDMA
Data Protection	Snapshot / Asynchronous / Synchronous (option)
Backup Service	Rsync / S3 backup / Cloud backup* / XMirror* / Microsoft 365 email backup
Security	SSL / ISCSI CHAP / ISE & SED / WORM / RBAC / Windows ACL / Antivirus
Support Protocols	CIFS / NFS / FTP / WebDAV / iSCSI / FCP / NVMe-oF
Management	Web UI / Window AD / LDAP / RESTful API / S.E.S. / LCM
Appearance	
Dimension (H x W x D) (mm)	44 x 438 x 515
Net Weight (kg)	9.1
Gross Weight (kg)	13.2
Others	
System Fan	2 pcs
Power Supply Unit	450 W x 2 (80 Plus Platinum)
Power Consumption	155 W
Certification	CE / FCC / BSMI
Standard Warranty	System: 3 years

* The feature is still under developing, please contact QSAN for accurate release date.

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- 1. USB Port
- 2. Enclosure Status LED
- 3. Enclosure Access LED
- 4. Disk Drive Status LED
- 5. Disk Drive Power LED
- 6. UID (Unique Identifier) Button / LED
- 7. Enclosure Power Button / LED
- 8. Host Card Slot 1 (host card is an optional part)
- 9. Power Supply Unit 1
- 10. Reset to Factory Default Button
- 11. Empty
- 12. Console Port
- 13. Buzzer Mute Button
- 14. USB Port
- 15. UID (Unique Identifier) LED
- 16. 2.5 GbE LAN Port
- 17. Power Supply Unit 2

System Specification

Index Name INTECO FUNC Architecture Single controller GPU Intel® Xeon® 2-core Memory Module Pre-installed 8 GB DDR 4 ECC DIMM Total Memory Stots 4 Memory Module Pre-installed 8 GB DDR 4 ECC DIMM Total Memory Stots 4 Memory Expandable pi to 255 GB Storage 3/5 Six X 4 Mumory Expandable pi to 255 GB Storage 3/5 Six X 4 Maximum Drive Bays with Expansion 414 Compatible Drive Type 3/5 Six X 1 HDD & 2/5 Six X 5SD Maximum Internal Raw Capacity 9/6 TB Maximum Internal Raw Capacity 9/0 TB Maximum Internal Raw Capacity 9/07 TB Proble Expansion (Gen 448 Stol) x 1 2.5 GbE RJ45 LAN Port 2 (option) 2.5 GbE RJ45 LAN Port 2 (option) 2.6 Goption 2 (option) 2.6 Goption 2 (option) 2.6 Goption Port 2 (option) 2.6 Goption Port 2 (option) 2.6 Goption Port 2 (option) <	Model Name	XN2204-2C
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Support Protocols CIFS / NFS / FTP / WebDAV / iSCSI / FCP / NVMe-oF Management Web UI / Window AD / LDAP / RESTful API / S.E.S. / LCM Appearance Dimension (H x W x D) (mm) 44 x 438 x 515 Net Weight (kg) 9.1 Gross Weight (kg) 13.2 Others System Fan 2 pcs Power Supply Unit 450 W x 2 (80 Plus Platinum) Power Consumption 137 W Certification CE / FCC / BSMI	Backup Service	Rsync / S3 backup / Cloud backup* / XMirror* / Microsoft 365 email backup
Management Web UI / Window AD / LDAP / RESTful API / S.E.S. / LCM Appearance Immediate Dimension (H x W x D) (mm) 44 x 438 x 515 Net Weight (kg) 9.1 Gross Weight (kg) 13.2 Others Immediate System Fan 2 pcs Power Supply Unit 450 W x 2 (80 Plus Platinum) Power Consumption 137 W Certification CE / FCC / BSMI	Security	SSL / iSCSI CHAP / ISE & SED / WORM / RBAC / Windows ACL / Antivirus
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Gross Weight (kg) 13.2 Others 2 System Fan 2 pcs Power Supply Unit 450 W x 2 (80 Plus Platinum) Power Consumption 137 W Certification CE / FCC / BSMI	Dimension (H x W x D) (mm)	44 x 438 x 515
Others System Fan 2 pcs Power Supply Unit 450 W x 2 (80 Plus Platinum) Power Consumption 137 W Certification CE / FCC / BSMI	Net Weight (kg)	9.1
System Fan 2 pcs Power Supply Unit 450 W x 2 (80 Plus Platinum) Power Consumption 137 W Certification CE / FCC / BSMI	Gross Weight (kg)	13.2
Power Supply Unit 450 W x 2 (80 Plus Platinum) Power Consumption 137 W Certification CE / FCC / BSMI	Others	
Power Consumption 137 W Certification CE / FCC / BSMI	System Fan	2 pcs
Certification CE / FCC / BSMI	Power Supply Unit	450 W x 2 (80 Plus Platinum)
	Power Consumption	137 W
Standard Warranty System: 3 years	Certification	CE / FCC / BSMI
	Standard Warranty	System: 3 years

* The feature is still under developing, please contact QSAN for accurate release date.

