NCS1860 Series
Dual Controller Enterprise-level Unified Storage

Product Overview

DCN NCS1860 series disk array is a 4U 24-disk unified storage disk array system with high reliability, high availability and high cost performance, which is specially designed for the hybrid storage environment of unstructured data and structured data.

The NCS1860 series disk array is a highly cost-effective and reliable dual-control storage system developed based on high-performance x86 processors. They have industry-leading performance, reliability and ease of use, and provide a full range of redundant designs to protect user data security. They are ideal for enterprise-level high-reliability storage systems.

This product is suitable for a variety of application scenarios such as file sharing, video surveillance, streaming media, data backup, virtualization, etc., and can be widely used in government, education, medical, data center, security and other industries.

NCS1860 Series

Key Features and Highlights

High reliability, ensuring data security
Dual-control and dual-active technology is used to maximize the user's business continuity and data availability. All key components are designed with redundancy, such as hot-swap and power-off protection, to calmly cope with the requirements of various scenarios and ensure data safety.

Multi-protocol to meet a variety of scenarios
With FC-SAN, IP-SAN, NFS/CIFS/FTP integrated access features, it can provide both block and file data services to the outside world to meet a variety of application needs.

Easy to integrate and simplify application deployment
Based on a new self-developed system, it supports application embedding and can integrate video surveillance, websites, backup and other Linux-based application software. It also provides open interface calls to achieve the perfect integration of applications and storage.

Specifications

Item	NCS1860
CPU	X86 multi-core CPU
Controllers	2 controllers
Memory default/max	16GB / 1TB (per controller)
Network Interface	Onboard 1Gb x2/controller; 5 I/O expansion interface cards per controller (I/O interface card types: ①FC card: 8/16/32 Gb FC, ②NIC: 1/10/25/40/100 Gb); Up to 22 storage interfaces per controller
Back-end host Interfaces	2x12Gbps Mini SAS HD
Number of disk channels	24
Maximum number of disks	1024
Disk type	SAS/NL-SAS/SAS SSD
RAID	RAID0, RAID1, RAID10, RAID5, RAID6, RAID60, RAID6p, RAID6p0
Number of logical volumes	1024
Protocol	iSCSI, FC, NFS, CIFS, FTP
Advanced Features	• Dual-control HA, support Active-Active mode; • Online RAID capacity expansion, local and global hot standby, RAID reconstruction • Cache mirroring, high availability, failover, disk roaming, link aggregation, link redundancy and load balancing • Thin configuration, multipath, snapshot, snapshot clone, volume copy, QoS, volume performance statistics, SSD cache, scheduled snapshot, consistency group • User management, permission management, quota, domain management, host whitelist management, custom rule sharing • Application embedding, web management, system monitoring, alarm log, high temperature protection, IPSec, NTP, SMTP, SNMP
Compatible OSs	Windows, Linux, MAC OS etc.

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Power Supplies	1+1
Fans	1+1
Power Input	100V－127V/200V－240V AC；60Hz/50Hz
BBU	Lithium battery module
Temperature	Working: 10 ℃~35 ℃, storage: -40 ℃~+70 ℃
Humidity	Working: 20% to 80% (non condensing), storage: 10% to 90% (non condensing)
Dimension(W*D*H)	745mm*442mm*176mm

Typical Application

✓ File backup, sharing and data archiving, etc.

✓ Audio and video editing, surveillance video storage, etc.

✓ Virtualization, enterprise network disk, etc.

Order Information

Model	Description
NCS1860 Series	
NCS1860-24	4U24 disk FC SAN/IP SAN/NAS enterprise level dual control storage, rack mounted, fully redundant, modular design; Dual controllers, each controller standard with 32GB of high-speed cache and can be expanded up to 1TB; Each controller is equipped with an X86 high-performance multi-core processor * 1; Each controller standard with 1Gb * 2, which can be expanded with 5 I/O interface cards including 8/16/32 Gb FC, 1/10/25/40/100 GbE；2.5-inch/3.5-inch SAS/NL-SAS/SAS SSD hard drives; Redundant power supply 550W; Including 24 brackets, 2 power cords, 2 network cables, and 1 front panel; Enterprise level dual control storage system software, FC/iSCSI/NFS/CIFS/FTP, Active Active mode, cache mirroring and high availability, multiple RAID levels, application embedding, web management, system monitoring, alarm logs, etc.
NCS1850 Disk	
D2-4T	12Gb/s SAS - 4TB
D2-6T	12Gb/s SAS - 6TB
D2-8T	12Gb/s SAS - 8TB
D2-10T	12Gb/s SAS - 10TB
D2-12T	12Gb/s SAS - 12TB
D2-14T	12Gb/s SAS - 14TB
D2-16T	12Gb/s SAS - 16TB
D2-18T	12Gb/s SAS - 18TB
D2-20TB	12Gb/s SAS 20TB
D2-22TB	12Gb/s SAS 22TB
D2-24TB	12Gb/s SAS 24TB

D2-1.2TB	12G/s SAS SSD 1.2TB
D2-1.8TB	12G/s SAS SSD 1.8TB
D2-2.4TB	12G/s SAS SSD 2.4TB
D2-600GB	12G/s SAS SSD 600GB
NCS1860 Optional accessories	
Cabinet sliding rail	Cabinet sliding rail
SFP+ transceiver	10G SFP+ multimode transceiver
ED4224	4U 24 disk slots of expansion cabinet; 6*12Gb SAS expansion ports;
E2-10G-F2P	2 pcs of "2-port 10Gb Ethernet module (Fiber ports, include SFP transceiver)
E2-10G-E2P	2 pcs of "2-port 10Gb Ethernet module" (Copper ports)
E2-1G-2P	2 pcs of "2-port 1Gb Ethernet module" (Copper ports)
F2-16G-2P	2 pcs of "2-port 16Gb Fiber Channel HBA module" (include SFP transceiver)
1Gb-5m	5m 1G Cat6 cable
10Gb-5m	5m 10G multimode fiber optic cable
MEM2-32	2 pcs of "32GB Expanded memory"
MEM2-16	2 pcs of "16GB Expanded memory"