



CxDC240-US

Unified SAN/NAS Storage

Key Features

- ❖ Enterprise-grade storage platform for surveillance and data storage.
- ❖ Scalable architecture supporting large capacity expansion.
- ❖ Dual Active-Active controller architecture for high availability.
- ❖ Minimum 32 GB mirrored onboard cache for reliable performance.
- ❖ Supports SAS / NL-SAS / SATA HDD drives for high-capacity storage.
- ❖ Supports centralized storage access over LAN network.
- ❖ Multi-protocol support for seamless network integration



CxDC240-US

Product Overview

Ultra-density, scalable storage.

The CxDC240-US unified storage appliance seamlessly integrates both block and file protocols into a single hardware platform, offering enterprises and companies an efficient and cost-effective solution for enhanced flexibility, optimized performance, and simplified storage management. Designed with high availability in mind,

The CxDC240-US features an active-active configuration, making it ideal for data-intensive environments such as virtualized or cloud-based datacenters and medium to large-scale surveillance installations leveraging this series products. These solutions ensure uninterrupted operation with no downtime required. With scalable capacity ranging from terabytes to petabytes and support for on-demand expansion. The CxDC240-US includes advanced storage services, delivering unparalleled value. It provides an affordable, feature-rich storage solution tailored to meet the needs of enterprises and companies

SPECIFICATIONS

Drive Support	12 Gb SAS HDD & 12/24 Gb SAS SSD	
Memory	Supports any mix of SAS and SSD drives simultaneously in the same enclosure	
	16GB x 1 per controller (up to 64GB), Dual Controller provided, totaling 32GB ram	
Host Connectivity per Ctrl	1x Quad port 1GbE	
	1x Dual port 10GbE SFP+	
Capacity/Expansion	Online Capacity/Volume Expansion up-to 12 JBOD's, 208 drives	
Operational Features/Hardware Specifications		
RAID Levels	0, 1, 5, 6, 10, 50, 60	
RAID Stripe Size Support	64K, 128K, 256K, 512K and 1MB	
Max Volumes per System	Advance pool: 1024 • Standard pool: 991	
Max Volumes per Pool	Advance pool: 256 • Standard pool: 31	
Advanced Storage Features	Advanced Cache Mirroring	I/O performance & power monitoring tools
	LUN Masking and Mapping	USB Service Log
	Asymmetric LUN Unit Access (ALUA)	Thin-provision Snapshot
	Non-Disruptive Software Update	Thin Clone, SSD Caching
	Remote Thick clone	Pair Management
	Cloud Backup and WORM	
	Media Patrol	Background Synchronization
	Foreground Initialization	Rebuild
RAID Features	Intelligent Bad Sector Remapping	Disk Slot Power Control
SAN Protocol	1/10G iSCSI; Max 1024 Sessions per controller	
Storage Expansion per Controller	1 x one 12Gb SAS Mini-SAS (SFF-8644)	
Management per Controller	1 x RJ-45 1Gb Ethernet and 1x RJ11 Serial Port	
Green RAID Features	Four levels of advanced power management disk drive (MAID) support • Efficient 80Plus Certified Power Supply	
NAS Features		
Supported Network Protocols	SMB/CIFS (Windows, MAC), NFS (Linux/Unix), FTP, WebDAV	
Max. NAS Share	1024 per pool	
NAS Share Size	1PB	
Concurrent Sessions / Memory	256 for each protocol /32GB, 128 for each protocol /16GB	
Max. Account	10K	
Supported Domain	Microsoft Active Directory, LDAP, Apple Open Directory	
Max. Domain Account	100k	
Data Management	Permission Management, Quota Management, Online Expansion	
System Management		
Management Interfaces	Web Based management using	Command Line

	Ethernet	Interface (CLI)
	Third Party Management Support via SNMP	
Supported OSs	Windows Server 2025, 2022, 2016, 2012, OS X 10.x and later, RHEL 6, 7, 8, 9, 10, SLES 15, Ubuntu 20,04, 22,04, 24,04, Debian 11, 12, Windows 10 & 11	
Software Compatibility	VMware ESXi, Citrix Server, Windows Server, RHEL, CentOS, AlmaLinux, Debian, Ubuntu	
Mechanical Specifications		
Power Supply	CRPS 550W; Efficiency 80PLUS Certified Redundant Power Supply	
Voltage	AC: 100-240VAC Auto-Ranging	
Temperature Range	Operational: 5° to 35°C, Non-Operational: -40° to 60°C	
Humidity	Operational: 20% to 80% (Non-Condensing), Non--Operational: ~ 95% (non-condensing)	
Safety and Emission Compliance	BIS, CE, FCC	
Environmental Standards	RoHS	
Dimensions (H x W x D)	131mm x 446.7mm x 507mm (5.2" x 17.6" x 19.96")	
Warranty and Support		
Warranty	3 years limited warranty	
Supported Hardware Options	SAS Cable, 6G SAS-to-SATA Interposer Adapter,10Gb SFP+ Optical Transceiver	

Ordering Information

CxDC240-US	19" Rack Mounted, 2U / 3U / 4U, 12 / 24 / 48 bays, Intel/AMD Processor with Dual Active-Active Controllers in redundant mode
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