



Key Features

- Dual socket R3 (LGA 2011) supports; Intel® Xeon® processor E5-2600 v4/v3 family; QPI up to 9.6GT/s
- Up to 2TB† ECC 3DS LRDIMM , up to DDR4- 2400†MHz ; 16x DIMM slots
- 1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8 (slot 1 & 2 occupied by controller and JBOD expansion port)
- Dual 10GBase-T LAN w/ Intel® X540
- SAS3 via Broadcom 3008 controller; IT mode
- 36x 3.5" Hot-swap drive bays (24 front + 12 rear): 32x 3.5" Hot-swap SAS3/SATA3 drive bays and 4x NVMe hybrid drive bays (SAS3/SATA3/NVMe*); 2x 2.5" optional Hot-swap SATA drive bays (rear); 4x 2.5" internal fixed drive bays
- Server remote management: IPMI 2.0/ KVM over LAN / Media over LAN
- 7x 80mm middle cooling fans
- 1280W Redundant Power Supplies Platinum Level (94%)

MODEL DESCRIPTION CHART - NSR-HWM-HDQ-HDC

NSR = Network Surveillance Recorder | HWM = Hardware Model | HDQ = Hard Disk Quantity | HDC = Hard Disk Capacity

Specifications

Product ID	NSR-6048-36L-280		
Selection Summary		SAS 12Gbps Controller	LSI 3108
Processor	2 x Six-Core Intel® Xeon® Processor E5-2603 v4 1.70GHz 15MB Cache (85W)	Back Panel	2x USB 3.0 ports; 2x USB 2.0 ports; 1x VGA port 2x RJ45 10GBase-T ports; x 1x Fast UART 16550 port
Memory	Upto 1TB		1x RJ45 Dedicated IPMI LAN port1;
Boot Drive	Optional. Separate from Storage HDD	SAS 12Gbps Ports	8
Storage Drive	Upto 36x SATA/SAS Hot Swap	SATA 6Gbps AHCI Controller	Intel C612
Optical Drive	No Optical Drive Support	SATA 6Gbps AHCI Ports	6
Controller Card	SAS 3.0 12Gb/s 8-port Host Bus Adapter	SATA 6Gbps SCU Controller	sSATA
Ethernet	Intel X540 Dual Port Gigabit Ethernet	SATA 6Gbps SCU Ports	4
Network Card	Intel® 10-Gigabit Ethernet Converged Network Adapter X520-DA2 (2x SFP+)	Processor	
Operating System	CentOS 7.0 Enterprise Linux (No Media) (Community Support) (64-bit)	Product Line	Xeon E5-2600 v4
		Socket	LGA2011-v3 Socket
		Clock Speed	1.70 GHz
Tech Specs		QuickPath Interconnect	6.4 GT/s
Barebone		Smart Cache	15 MB
Memory Technology	DDR4 ECC Reg	Cores/Threads	6C / 6T
North Bridge	Intel C612	Intel Virtualization Technology	Yes
Form Factor	4U	Intel Hyper-Threading	No
Color	Black	Wattage	85W
Memory Slots	16x 288-pin DIMM Sockets	Memory	
Graphics	ASPEED AST2400 BMC	Technology	DDR4
Ethernet	Intel X540 Dual Port Gigabit Ethernet	Type	288-pin DIMM
Power	1280W High-Efficiency (95%+) power supply	Capacity	8 x 8 GB
External Bays	36x 3.5" Hot-swap SAS3/SATA3 drive bays (Double-sided: 24 front + 12 rear drive bays)	Speed	2400 MHz
		Error Checking	ECC
Expansion Slots	1x PCI-Express 3.0 x16 LP 6x PCI-Express 3.0 x8 LP	Signal Processing	Registered
Front Panel	Power On/Off button, System Reset button Power status LED, Hard drive activity LED 2x Network activity LEDs, System Overheat LED	Boot Drive	
		Storage Capacity	256GB
		Interface	6.0Gb/s Serial ATA

Specifications

Storage Drive		Controller Card	
Storage Capacity	280 TB = 28 x 10.0TB	I/O Processor	LSI SAS3008
Interface	12.0Gb/s SAS	RAID Levels	JBOD
Rotational Speed	7200RPM	Max Devices	122
Cache	256MB	Network Card	
Format	512e	Transmission Speed	10Gbps Ethernet
Controller Card		Port Interface	SFP+
Product Type	SAS Host Bus Adapter	Host Interface	PCI Express 2.0 x8
Data Transfer Rat	12Gb/s SAS	Cable Medium	Copper
Internal Ports	8 Ports	VT for Connectivity (VTc)	VMDc
External Ports	10 Ports	VT for Directed I/O (VTd)	Yes