

RAIDFLEX™ B6000

Open Storage Appliances



Based on the most popular non-expandable B6212 and B6316 Open Storage Appliances, the **RAIDFLEX B6000** Open Storage Appliances offer modular scalability with **RAIDFLEX B6000** SAS expansion units, allowing JBODs to be daisy chained to a maximum of 56 drives. The result is high performance, capacity and flexibility. They currently support 73, 146, 300GB, 400GB and 450GB SAS drives and / or 250GB, 500GB, 750GB, 1TB and 1.5TB SATA drives.

APPLICATIONS

- Clustering
- Server Applications
- Nearline Storage
- Virtual Tape Library
- NAS and / or iSCSI target
- Audio / Video Editing

SERVER FEATURES

- High Quality Dual Xeon motherboard
- Two Dual Core Xeon 1.6GHz CPUs
- 2GB Fully Buffered SDRAM
- Dual GbE NIC
- Multiple GbE / 10GbE NIC options
- Lockable front bezel

STORAGE FEATURES

- Single or optional dual SAS expanders
- Expandable to 56 drives with JBODs
- Power and system reset switches
- HDD and LAN activity LEDs
- Hot-swap redundant power supply
- IPMI option
- LSI and Accusys HBA / RAID approved



B6212 FEATURES

- 2U, 12-bay optimal drive / rack capacity
- Two SAS up-ports per expander
- One SAS down-port per expander
- Fully redundant HA paths



B6316 FEATURES

- 3U, 16-bay optimal price / capacity
- One SAS up-port per expander
- One SAS down-port per expander
- Slim Optical, front USB
- 1 x 3.5" or 2 x 2.5" internal drives



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SPECIFICATIONS

Common Features:			
Material:	Heavy-duty cold-rolled steel		Indicators: Power, LAN, and HDD LEDs
Finish:	Body: zinc chromate Front: texture coat		Humidity: 5%-95% non-condensing
			Temperature: 10°C (32°F)-50°C (122°F)
Controls:	Power and system reset		Backplane: SAS 3.0 single or dual expander
B6212 Specific Features		B6316 Specific Features	
Dimensions:	2U mm: 482.6 x 685.8 x 88.9 2U inches: 19 x 27 x 3.5		Dimensions: 3U mm: 482.6 x 675 x 132.5 3U inches: 19 x 26.5 x 5.25
Weight:	18kg		Weight: 22.5kgs / 49.5lbs
Drive Bays:	External	3.5" Hot Swap	12
	Internal		0
Drive Bays:	External	3.5" Hot Swap	16
	Internal	1 x 3.5" / 2 x 2.5"	
Cooling:	3 x 4028mm + 2 x 80x32mm hot swap fans		Cooling: Middle: 5 x 60x38mm hot-swap Rear: 2 x 60x38mm easy-swap
Power:	500W 1+1 hot swap redundant		Power: 800W 2+1 hot swap redundant

ACCESSORIES

SATA DISKS

- 250GB 7200rpm Enterprise
- 300GB 7200rpm Enterprise
- 400GB 7200rpm Enterprise
- 500GB 7200rpm Enterprise
- 750GB 7200rpm Enterprise
- 1TB 7200rpm Enterprise
- 1.5TB 7200rpm Enterprise

CPUs

- Dual Core Xeon 5140 Woodcrest 2.33GHz
- Dual Core Xeon 5160 Woodcrest 3.00GHz
- Quad Core Xeon E5310 Clovertown 1.60GHz
- Quad Core Xeon E5355 Clovertown 2.66GHz

SATA HBAs

- Accusys 61000 4-port PCIe SATA RAID
- Accusys 61000 8-port PCIe SATA RAID
- Accusys 61000 12-port PCIe SATA RAID
- Accusys 61000 16-port PCIe SATA RAID
- Accusys 61100 12-port PCIe SATA RAID
- Accusys 61100 16-port PCIe SATA RAID
- Accusys 61100 24-port PCIe SATA RAID

SAS DISKS

- 73GB 15000rpm
- 146GB 15000rpm
- 300GB 15000rpm
- 400GB 15000rpm
- 450GB 1000rpm
- 750GB 7200rpm (Hybrid)
- 1TB 7200rpm (Hybrid)

ETHERNET

- Dual Intel GbE (PCIe / PCI-X)
- Quad Intel GbE (PCIe / PCI-X)
- Intel 10GbE (PCIe)

SAS HBAs

- LSI 888ELP PCIe 8-port RAID
- LSI 3442e PCIe 4-port HBA
- LSI 3801e PCIe 8-port HBA
- LSI 3800X PCI-X 4-port HBA
- LSI 3801X PCI-X 8-port HBA

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