



THE MOST VERSATILE SOLID STATE STORAGE APPLIANCE

ZFLASH

zFLASH, the ultimate solid state storage appliance packed with all the features of RackTop BrickStor. The zFLASH unified storage appliance boasts a self-healing architecture that keeps data safe, available, and provides access through a variety of protocols and mediums to ensure compatibility and flexibility within your changing workplace. ZFLASH outperforms competing solid state solutions.

No other storage appliance can deliver the performance, capabilities and value of zFLASH paired with the quality of service and support of RackTop.

FEATURES

- Data Protection Beyond Standard RAID
- Astounding Performance
- Block and File Protocol Support
CIFS/SMB, NFS3/4, AFP, iSCSI, FC, FCoE
- Inline Compression and Deduplication
- Self-healing 128-Bit File System
- Unlimited Snapshots & Clones
- Thin Provisioning
- No File or Directory Limits
- Variable Block Size
- Block and File Replication
- Superior Power Efficiency
- Call Home Storage Monitoring

ZFLASH WAS DESIGNED FROM THE GROUND UP TO BE THE FASTEST AFFORDABLE STORAGE SOLUTION TO SOLVE THE BIGGEST CHALLENGES FACING BOTH THE CIO AND THE ADMINISTRATOR. IT OFFERS THE LOWEST TOTAL COST OF OWNERSHIP AND SIMPLIFIES THE WORK OF THE ADMIN RESULTING IN A SOLUTION THAT INCREASES ORGANIZATIONAL PRODUCTIVITY, REDUCES AND ELIMINATES HIDDEN COSTS, AND ELIMINATES TASKS AND WORK FOR THE ADMIN.

zFLASH

zFLASH uses a pipelined read/write architecture that makes it superior to any other solid state storage appliance and able to maintain sub-microsecond latency for read and write operations.

zFLASH has a 256 GB level 1 read/write cache. This architecture enables many operations to happen at RAM speed, with a RAM cache orders of magnitude larger than other RAID solutions. Other SSD appliances can't keep up. zFLASH can be configured with the perfect combination of disks to meet your precise business needs. For applications such as databases, virtualization, and simulation, zFLASH can be the most economical solution available. zFLASH uses the latest "nand" technology to ensure the highest flash endurance and minimize service interruption. zFLASH is powered by ZFS with a 128-bit file system that enables virtually limitless file and directory sizes.

ZFLASH-300	ZFLASH-3002
1-2 x 3.5 GHz 10MB Cache CPU	1-2 x 3.5 GHz 10MB Cache CPU
L1 Read/Write Cache 256GB 1866 MHz REG ECC RAM	L1 Read/Write Cache 256 GB 1866 MHz REG ECC RAM
1 x 48 Gbs SAS Host Bus Adapters	2 x 48 Gbs SAS Host Bus Adapters
6 Gbs SATA SSDs	6 Gbs SAS SSDs
4 x 1Gbe + Optional (4x1Gbe, 2x10Gbe, 4x10Gbe, 2xFC, 4xFC)	
750W Platinum Redundant Hot Swap Power Supplies	
Hot Swap Fans	
CIFS/SMB, NFS3/4, AFP, iSCSI, FC, FCoE, WebDAV, FTP	
Inline Compression & Deduplication	
Unlimited Snapshots and Clones	
Asynchronous Block and File Replication	
Thin Provisioning	
Active Health and Status Monitoring	

RELIABILITY

RackTop is using the highest grade components to ensure your operations are not interrupted and your data is safe. zFLASH is available with a 5-year warranty and support ensuring you maximize your return on investment. RackTop is able to monitor the health of the system through its Storage NOC and pre-empt a problem or failure at the component level up to the file system.

zFLASH ensures the integrity of your data through a 256-bit independent checksum that verifies and corrects errors on the fly. No other system is capable of delivering this same data integrity and protection against bit rot and the RAID-5 write hole. With zFLASH you can rest assured your data is safe, intact and available for use as quickly as you need it; and when you are ready to eradicate the data, zFLASH can securely erase the drives as well.

SOLID STATE DISK OPTIONS

SATA 6GB/S	
Drive Sizes (GB)	120, 240, 480, 960
Random IOPS Read/Write per Disk	Up to 80K/25K IOPS (4KB)
SAS 6GB/S	
Drive Sizes (GB)	100, 200, 400, 800, 1000, 1200, 2000
Random IOPS Read/Write per Disk	Up to 85K/34K IOPS (4KB/8KB)

ABOUT RACKTOP



We believe technology exists to solve business problems. That's why we focus on engineering custom tailored solutions which meet your specific needs. RackTop Systems designs and develops Enterprise data center products built for business. We focus on implementing impactful solutions which work for your business on day one and our expertise extends beyond our products alone. We pride ourselves by not only knowing our own products but also the products that touch or connect to them. It's that domain expertise and big picture approach which translates into quick ROI and successful implementations. To us, being a great company is more than just making products. We're no ordinary technology company. We're RackTop - your technology partner building solutions your way to accelerate your business.