

IntelliFlash™ T-Series Storage Arrays

Flash storage has the power to fundamentally transform how you do business. But most solutions force you to compromise on performance, price, or features. Western Digital's IntelliFlash arrays enable applications in virtual environments to thrive by accelerating transactions and simplifying workflows. Combining performance, economics, and flexibility at scale, IntelliFlash T-Series arrays offer you a wide product portfolio with comprehensive data services and data management capabilities.

Architected for Performance and Capacity

IT departments are increasingly challenged to deliver storage performance, scalability, and capacity with high efficiency at reduced costs. At the same time, application workloads such as server virtualization, virtual desktop infrastructure (VDI), online transaction processing (OLTP), and real-time analytics are further driving demand for storage infrastructure that can keep up.

IntelliFlash T-Series arrays help IT boost storage utilization and efficiency to all-flash and deliver unmatched storage performance and cost savings.

All-Flash AND Hybrid Flash in One Storage System

Whether you need the balanced performance and high capacity of a hybrid flash array or the sustained high performance of an all-flash array, IntelliFlash T-Series arrays can cost effectively satisfy any and all of these requirements.

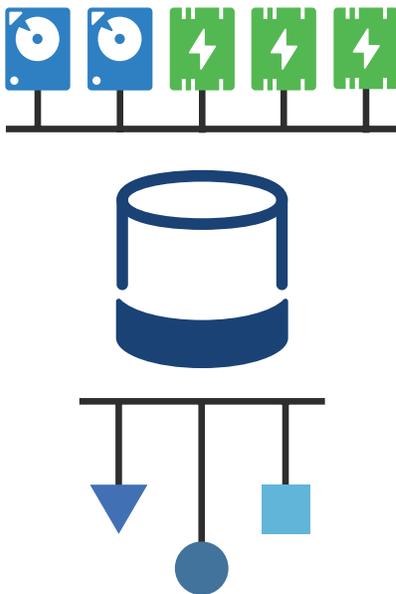


Figure 1. IntelliFlash T-Series balances performance with cost-effective capacity

Regardless of which system you choose, all IntelliFlash Arrays share the same operating environment, feature set, and management experience.

IntelliCare™ Cloud Analytics

Save time on storage administration and maximize the uptime and efficiency of all your IntelliFlash arrays with IntelliCare.

Powered by cloud-based analytics and backed by a team of storage experts, IntelliCare enables you to quickly and easily monitor the health, performance, and usage of all your IntelliFlash Arrays; predict future requirements; and detect problems before they develop into serious issues.

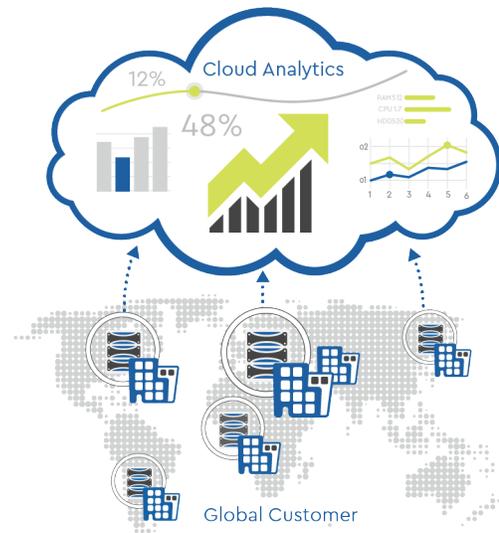


Figure 2. IntelliCare cloud-based analytics

IntelliFlash Operating Environment

IntelliFlash T-Series arrays are powered by the IntelliFlash Operating Environment (OE). This fast, flexible OE is designed to leverage different grades of storage media — NVMe™-flash, performance flash, dense flash, hard disk drives (HDDs) — in a single storage array.

The IntelliFlash OE understands the inherent characteristics of different storage media and intelligently manages the placement of data to deliver optimal high performance at low latency with the best possible economics. It also includes advanced data services, multi-protocol support, and flexible management capabilities, enabling you to significantly shrink your storage footprint, maximize uptime, consolidate workloads, and simplify storage administration.



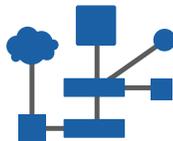
Security Features

IntelliFlash arrays include 256-bit AES encryption of data at rest. IntelliFlash arrays deliver inline encryption of data on SSDs and HDDs with minimal impact on performance. Key management required for encryption is performed natively in the system without user intervention.



Built-in Business Continuity

Take instantaneous point-in-time snapshots that are both VM-aware and application-consistent. For disaster recovery, replicate snapshots to a remote site. Replication transmits only changed data to reduce traffic over the WAN. IntelliFlash Arrays also support entire virtual server protection through VMware® site recovery manager (SRM).



NAS and SAN from the Same Array

Enjoy the flexibility of choosing from a broad selection of protocols to connect your storage to servers. Eliminate silos of storage in your data center through native support for Fibre Channel, iSCSI, NFS, CIFS, and SMB 3.0.



Up to 5:1 Data Reduction

Inline compression and deduplication on both all-flash and hybrid flash SSD and HDD storage pools significantly reduce storage acquisition and operational cost. Redundant operating system images in a virtual server platform are reduced to a single instance stored in flash. Hundreds or thousands of persistent VDI instances are shrunk down to one single boot image that can launch in seconds.



Storage Simplified

Single-click provisioning through application-optimized templates and integrated backup and replication without complex backend software. Monitor your storage infrastructure with your own Management Tool through SNMP.



Purpose-built for Virtualization

One-click virtual machine-optimized storage creation enables hundreds of virtual machines and desktops to be deployed in minutes, not hours. VM-aware management tools and reporting for VMware and Hyper-V environments enables storage be provisioned, monitored, and managed with virtual machine granularity — LUNs, file systems, and RAID groups are a thing of the past for virtualization administrators.

IntelliFlash arrays deliver incredibly high performance while maximizing efficiency not only for IT, but for your business, by keeping your storage costs in check and making your data come alive. For more information on how IntelliFlash can help make your data come alive, visit westerndigital.com/intelliflash

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