

Pure Storage for State and Local Government

Deliver improved constituent services with all-flash technology

BENEFITS OF PURE STORAGE

- **Optimize the Datacenter**
Stop investing in technology that's 30 years old and take advantage of the efficiencies offered by modern storage.
- **Secure Data**
With at-rest encryption and Rapid Data Lock technology, security is built-in and ready to go.
- **Make An Environmental Impact**
Curb the never ending datacenter expansion, using 10x less space, power and cooling.
- **Deliver Mobile Services**
Deliver applications to tablets and smartphones and allow workers to be productive from anywhere.
- **Empower IT Staff**
By spending more time delivering innovative new services and less time tuning storage, IT can bring more strategic value to the organization, while reducing costs.

People today expect modern, private sector-like experiences from their government. They want a government that knows its constituent and makes efficient use of the diverse information it collects to deliver better service, saving them time and unnecessary headaches. They want a government that capitalizes on technical innovation to create a smaller and smarter world.

They also want their public leaders to demonstrate that they're using public dollars wisely, and using IT to drive efficiencies across government. Pure Storage offers not just performance that can make even legacy applications seem modern, but levels of efficiency and cost savings that are nothing short of remarkable.

Why Pure in State and Local Government?



Deliver Improved Services to Constituents:

- Improve the performance of existing applications, delivering online experiences like the private sector.
- Gain insights from data more quickly and efficiently.
- Future-proof IT infrastructure and deliver new and innovative applications.



Simplify IT:

- Simplify IT operations with flash that just works.
- Reduce downtime with non-disruptive upgrades and eliminate forklift upgrades.
- Secure sensitive information without adding additional software or complexity.
- Manage your storage infrastructure from anywhere.



Save Money:

- Reduce total cost of ownership (TCO) by not having to re-purchase storage every 3-5 years; by staying current on maintenance you get software and hardware updates free.
- Reduce Capex spend and lengthen depreciation lifecycle.



FlashArray//m

Bringing the Speed of Flash to Public Sector

Transform IT.

Who knew that all-flash storage could help reduce the cost of IT? FlashArray//m makes server and workload investments more productive, while lowering storage spend by up to 50%. Only Pure Storage helps you deliver improved online services while reducing operational costs and simplifying IT complexity.

Transform Your Organization.

Accelerate applications and unleash the power of real-time analytics. FlashArray//m keeps data secure with built-in Data at Rest encryption. Further, Rapid Data Locking (RDL) offers smart card based instant locking of the array, enabling you to protect against emergency datacenter breaches.

...All by Transforming Your Storage.



SUCCESS STORIES FROM PURE STORAGE CUSTOMERS

- **Muskegon County** migrated 1,300 VDI desktops to Pure and improved public access to services with Non-disruptive Everything, increased productivity with consistent all-flash performance, and enhanced security with data-at-rest encryption.



- **The City of Davenport** virtualized 20 servers and 100s of desktops with Pure. As a result, data was reduced 85% (6.5-to-1), Snapshots accelerated VDI clone times by 22x (2 mins vs. 45 mins), and all-flash lowered latency from 17 ms to 0.5 ms.



- **The University of Texas at Dallas** provided global access to 35+ essential engineering applications, replacing their computer lab model with desktop virtualization. With 8:1 data reduction they're giving students the mobility and access they need to be productive.



	//M10	//M20	//M50	//M70
Capacity	Up to 25 TBs effective capacity* 5 – 10TBs raw capacity	Up to 120+ TBs effective capacity* 5 – 40TBs raw capacity	Up to 250+ TBs effective capacity* 30 – 88TBs raw capacity	Up to 450+ TBs effective capacity* 44 – 136TBs raw capacity
Performance	Up to 100,000 32K IOPS** <1ms average latency Up to 3 GB/s bandwidth	Up to 150,000 32K IOPS** <1ms average latency Up to 5 GB/s bandwidth	Up to 220,000 32K IOPS** <1ms average latency Up to 7 GB/s bandwidth	Up to 300,000 32K IOPS** <1ms average latency Up to 9 GB/s bandwidth
Connectivity	16 Gb/s Fibre Channel 10 Gb/s Ethernet iSCSI 1 Gb/s Management & Replication ports	8 Gb/s Fibre Channel 10 Gb/s Ethernet iSCSI 10 Gb/s Replication ports 1 Gb/s Management ports	16 Gb/s Fibre Channel 10 Gb/s Ethernet iSCSI 10 Gb/s Replication ports 1 Gb/s Management ports	16 Gb/s Fibre Channel 10 Gb/s Ethernet iSCSI 10 Gb/s Replication ports 1 Gb/s Management ports
Physical	3U 610 Watts (nominal) 105 lbs (47.6 kg) 5.12" x 18.94" x 29.72" chassis	3U*** 742 Watts (nominal) 110 lbs (49.9 kg) fully loaded 5.12" x 18.94" x 29.72" chassis	3U – 7U 1007 - 1447 Watts (nominal) 110 lbs (49.9 kg) fully loaded+ 44 lbs per expansion shelf 5.12" x 18.94" x 29.72" chassis	5U – 11U 1439 – 2099 Watts (nominal) 110 lbs (49.9 kg) fully loaded+ 44 lbs per expansion shelf 5.12" x 18.94" x 29.72" chassis

Note: All specifications for FlashArray//m10 are preliminary and subject to finalization before GA.

* Effective capacity assumes HA, RAID, and metadata overhead, GB-to-GiB conversion, and includes the benefit of data reduction with always-on inline deduplication, compression, & pattern removal. Average data reduction is calculated at 5-to-1.

** Why does Pure Storage quote 32K, not 4K IOPS? The industry commonly markets 4K IOPS benchmarks to inflate performance numbers, but real-world environments are dominated by IO sizes of 32K or larger. FlashArray adapts automatically to 512B-32KB IO for superior performance, scalability, and data reduction.

***//m20 can be expanded beyond the 3U base chassis with expansion shelves.



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