



## AiNET® Peta10 Storage Area Network Solution

### ***Leading Performance and Density Provides Increased Data Capacity – Quickly, Efficiently and Affordably***

Government, Businesses, Universities, Hospitals and other institutions have an unlimited appetite for storage. Media applications and streaming are creating new storage burdens while increasing regulations like Sarbanes-Oxley (SOX), Electronic Health and Medical



Records (EHMR) and audit compliance (SAS/SSAE, ISO, E-discovery) are quickly pushing the required time for data retention beyond ten years. It's no wonder that IT departments and budgets are straining.

Building on the on builds on the most advanced proprietary and open storage arrays available, the AiNET Peta10 Storage Solution was designed to be agile and configurable to address almost any storage requirement. Combining its small footprint, trusted security and almost limitless expandability the Peta10 is an asset for any Enterprise.

### **AiNET Peta10 Features**

- **Fast Integration** – Standards based protocols for access, encryption and authentication.
- **Hybrid SSD** – Standard SSD and Hard Drive performance leads to better “hot” spot management, higher reliability and no on-disk inconsistencies (“copy-on-write”).
- **Density** – at over 2 Petabytes (2,000 TB) of fault tolerant storage in a *single rack* with expandability to thousands of racks, the highest density solution available today.
- **Performance** – Storage units collaborate to process loads, throughput can exceed 10GBytes/s.
- **Cloud ready** - Storage can be accessed via well-known cloud APIs or be delivered as a private, standards based cloud (S3, iSCSI, NFS). Supports live, synchronous replication (*Vmotion Storage*)
- **Fault Tolerance** – State-of-the-art RAIN provides the highest levels of performance and fault tolerance. RAID 6 storage arrays provide industry leading reliability and performance. (JBOD and all levels of RAID available). Peta10s do not require use of legacy RAID hardware controllers.
- **Disaster Protected** – By supporting on-site and near-site synchronous replication and WAN or geographic asynchronous replication, single disaster events do not place data at risk.
- **De-duplication and Encryption** – DARE and DIME protect data in motion and at rest. De-duplication provides more storage and performance than traditional, legacy storage systems.
- **Industry Standard** – Open standards based platform (ZFS, Lustre, iSCSI, NFS, GFS, FCoE, IPSEC, IPv4/IPv6, SSL, SSH, TLS, SHA, FIPS-140). Built for millions of petabytes (zettabytes) and beyond.

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Call or write today for a complete analysis of your needs at no cost.  
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- **Built for 24/7/Forever** – Hard drives fail, SANs become obsolete. AiNET Storage solutions continuously and seamlessly refresh to the latest, newest technology with continuous performance and reliability monitoring – data access gets faster and safer at no additional charge. In service system upgrades (ISSU) provide system growth and increased reliability without additional expense.
- **Flexible Capacity** - Enterprises of all sizes need to manage this growth and meet ever increasing privacy, data integrity and audit requirements. Grow as you need. Dynamic Volume Sizing.

## Total Protection Warranty

AiNET® Global Services back the Peta10 with 100% Pro-active Monitoring and Fault Detection, Software and Updates, System, Parts and Labor 24x7x365. Customer owned equipment is supported globally with Advanced Equipment Replacement at no additional charge. Platinum service customers receive in service system upgrades (ISSU) for additional capacity over the life of the unit at no additional charge.

AiNET® is certified to store and process EMR, PCI, classified and other forms of highly sensitive data.

## Peta10 in a Service

The Peta10 is the underlying platform for the high-performance, AiNET Trusted Storage as a Solution service. This can be an excellent option to enjoy the benefits of the Peta10 if your storage volumes are not large enough for your own system. Additionally, if your volumes are large, Peta10s can be provided on a private service basis, with little or no capex.

## Peta10 Models & Feature Sets

- P10-DR – Disaster Recovery Features
- P10-RA – RAIN features (standard)
- P10-GR – Green Energy Features
- P10-R6 – RAID6 Storage
- P10-ER – Self-Encrypting Features
- P10-SDR – Seismically Secure Disaster Recovery
- P10-NLA – Archival/Near line features
- P10-SAT – SATA Storage
- P10-HPC – High Performance Computing
- P10-SAS – SAS Storage
- P10-SSC – Solid State (SSD) Storage
- P10-FCE – Fiber Channel/FCoE Features
- P10-DDE – De-duplication Feature

*(Model specifications and pricing may vary depending on requirements)*

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