

UNIFIED DATA STORAGE APPLIANCES FOR SMALL TO MEDIUM BUSINESSES IN CLOUD AND VIRTUAL ENVIRONMENTS

OVERVIEW

The IceWEB 2000 unified data storage appliance provides the absolute best performance, features and price for small to medium businesses optimizing file and block data storage utilization in cloud and virtual environments.

SIMPLIFY - STANDARDIZE - OPTIMIZE

IceWEB's unified storage appliances provide a single platform for all your storage needs. Simplify your data center environment, cloud and virtualization deployments by optimizing your storage resources through a single pane of glass.

EASY TO USE

The IceWEB 2000 unified storage appliance provides organizations of all sizes with an automated, application-ready storage platform that is easy to acquire and manage; and sets up in 5 minutes or less.

LIGHTNING FAST

When upgraded to include IceWEB's Solid State Kit, IceWEB's Cache Acceleration Protocol (IceCAP™) dramatically increases read/write IO performance of recently accessed data stored in the cache.

In addition, the IceWEB 2000 features accelerated write cache that uses Solid State Technology to log calls for data to be written to the hard disks. Our intellectual property enables small and large blocks to be cached and accessed at a substantially faster rate than competing technologies.

COMPLETE PROTECTION AND RELIABILITY

Rest assured that your mission critical data is safe with all of the data protection and reliability features you'd expect in an enterprise class appliance --

- Ensure high levels of data integrity and protection at all times with IceWEB unified storage appliances
- Hot swappable hard drives with preemptive drive failure notification
- Built-in support for single parity, double parity, and triple parity RAID protection
- Automatic error correction ensures data integrity
- Zero-impact, zero reservation snapshots reduce RPO and RTO for near-zero recovery time and data loss
- Flexible replication services (local or remote, bi-directional, real-time or scheduled)
- Mirror HA



POWERFUL STORAGE MANAGEMENT CAPABILITIES

Driving the IceWEB 2000's powerful features is IceWEB's proprietary IceSTORM™ operating system, providing all of the management and application software capabilities needed to support today's cloud and virtual computing environments. The intuitive IceSTORM interface simplifies the use of its sophisticated storage management capabilities, and includes a full complement of enterprise level storage optimization features at a price that's affordable for any IT budget —

- **Thin Provisioning:** Efficient allocation of dynamic disk with option to provision iSCSI, NFS, CIFS, or FC to a new environment
- **Storage Pooling:** Shared pool supporting multiple tiers of storage
- **Active Directory & LDAP Authentication**
- **Clones:** Deliver capacity savings of up to 90% with no performance impact, for testing and development
- **In Line Data Compression:** Ranges from 1.2 to 3.8x compression; skips dense blocks to minimize IO load
- **Volume Level Inline Deduplication:** Aggressive checksum/hash algorithm to obtain up to 90% deduplication levels (memory upgrade required)
- **Snapshots:** Instantaneous, zero impact, zero capacity allocation
- **Snapshot Rollback:** Instantaneous
- **Replication:** Asynchronous, Synchronous and Encrypted
- **VM Integration:** VMware, Microsoft Hyper-V, Citrix XenServer

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CONVENIENT FORM FACTOR

The IceWEB 2000 appliance ships as a 2U rack mount for density constrained data centers, with six GB ports for NAS/iSCSI.

ICEWEB 2000 TECHNICAL SPECIFICATIONS

HARDWARE

- 2U Form Factor, 500w Redundant Power Supply
- 6X gigabit Ethernet (GBE)

STORAGE

- Capacity: 4TB-60TB available
- SSD Kit available
- One 16 bay expansion

OPERATING SYSTEM

- IceWEB's Proprietary IceSTORM Operating System
- File System Protocols: NFSv2, NFSv3, NFSv4, CIFS, FTP, HTTP, WebDAV, rsync, NDMP
- Block Protocols (Optional): iSCSI (FCOE)
- RAID: Single, Dual, and Triple Parity
- Data Integrity: Metadata and user data checksums
- Storage Quotas: File system, Directory

SECURITY

- System Management: Integrated; HTTP or HTTPS-based, Remotely Accessible and Manageable
- Directory Services: Active Directory, NIS, LDAP
- CHAP

POWER

- AC Input: Auto-switching, 100 - 240V Auto-Range, 50-60 Hz
- Input Current: 6.1-2.6a Max
- Power Supply: 2x Hot-Swap, Redundant 500W High-Efficiency
- Power Supply Efficiency: 80 PLUS Gold Certified

PHYSICAL

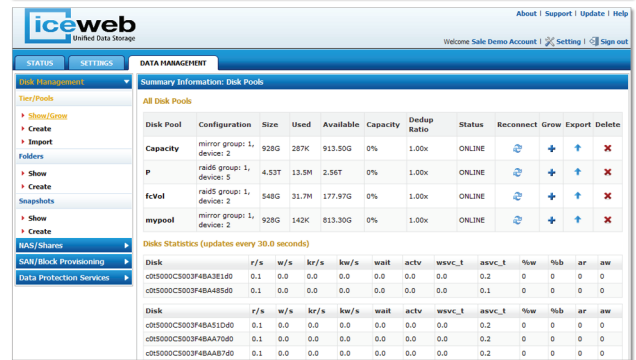
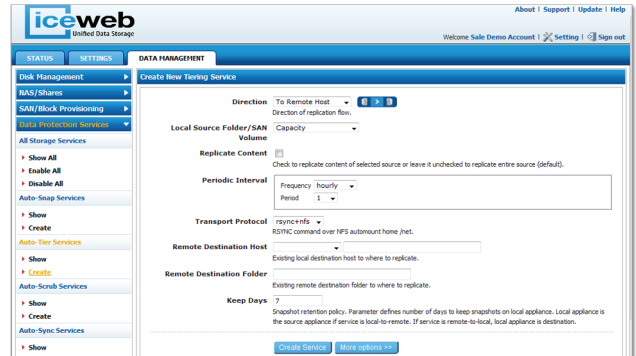
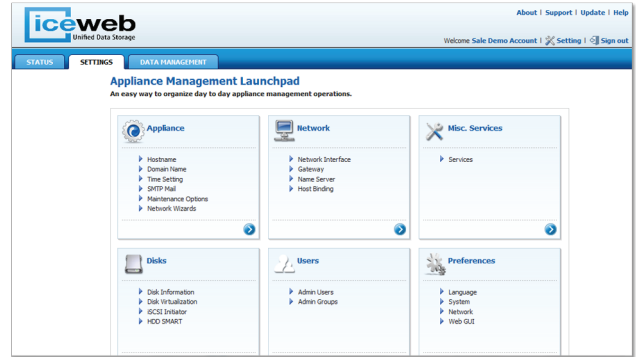
- Dimensions: (D x W x H) 25.5" D x 17.2" W x 3.5" H / 648mm D x 437mm W x 89mm
- Weight: 52 lbs /23.6 kg (without disk drives)

ENVIRONMENT

- Temperature Operating: 10C to 35C (50F to 95F)
- Humidity Operating: 8% to 90% (non-condensing)

REGULATORY APPROVALS

- USA - UL listed ,Canada - CUL listed,Germany - V Certified
- EN 60950/IEC 60950-Compliant
- CB Report
- CCC Certification



CALL TOLL-FREE FOR A LIVE DEMONSTRATION

For a live demonstration of IceWEB's IceSTORM management console, email sales@iceweb.com or call toll-free 1-800-465-4637.

IceWEB manufactures award-winning, high performance unified data storage appliances with enterprise storage management capabilities at a fraction of the price of traditional providers. Through thin provisioning, target deduplication and inline compression, IceWEB's unified storage arrays enable standardization, consolidation and optimized storage utilization for virtual and cloud environments, saving up to 90% of storage costs, while reducing space, power and cooling requirements and simplifying storage management.



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