The Small Storage Server

RX-1141i-O

Features and Benefits

Large volumes of multimedia content, HD quality in particular, require huge amounts of storage space which presents a challenge for video streaming. To combat this, Supermicro offers a ready-to-go storage system suited perfectly to video streaming requirements. Combined with Open-E Data Storage Software V7 and the ability to provide a stable and flexible solution for NAS and SAN setups, The Small Storage Server has the power to not only meet your requirements but allows for a cost-effective and high-performance solution.

The 4x 3.5" Hot-swap SAS / SATA Drive Bays and full-height, half-length I/O expansion slot deliver high-quality enterprise hardware while making storage capacity expansion an easy task for every storage administrator. In addition to this, Open-E DSS V7 enhances the storage with its unified NAS and iSCSI functionality, making it suitable for DCI certified video streaming (http://www.dcmovies.com/) at the same time satisfying the needs of SMB, SME and private users.

Keep video streaming data protected with the new Ready To Go Small Storage Server from Supermicro and Open-E, bringing you exceptional performance for a fraction of the price.

- Open-E Data Storage Software V7 is a storage application used for building and managing centralized data storage servers - NAS and SAN.
- The Small Storage Server with Open-E DSS V7 brings superior performance, extensibility and reliability, and is out of the box tuned to provide high data-throughput and data protection for centralized storage.
- All-in-one storage solution for SMB, SME and private use. Includes RAM Caching for Samba protocol for optimal Read and Write Performance.
- Offers asynchronous file replication for data protection and backup.
- Includes 4x 3.5" Hot-swap SAS / SATA Drive Bays for customizable storage.
- 350W High-efficiency Gold Level Power Supply designed to run at significantly higher efficiencies of up to 92%+, thus reducing energy losses and the total cost of ownership (TCO).
1. Single socket Intel® Xeon® E3-1200 & E3-1200 v2
2. Up to 32GB DDR3 ECC 1333MHz / 1600MHz*** UDIMMs in 4 sockets
3. 4x 3.5” Hot-swap SAS / SATA Drive Bays
4. 2x (x8) PCI-E 3.0 in x8 slots and 1x (x4) PCI-E 2.0 in x8 slot
5. 9x USB 2.0 ports
6. Integrated IPMI 2.0 with KVM and Dedicated LAN
7. 350W High-efficiency Gold Level Power Supply

Supermicro Advantage

- First to Market
- Application Optimized
- Industry Leading Power Efficiency
- No Hidden Costs
- Uncompromising Quality Control

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>Single Intel Ivy Bridge 4C E3-1220V2 3.1G 8M 5GT/s DMI – Supplied with CPU</td>
</tr>
<tr>
<td>Memory Capacity</td>
<td>32GB DDR3 ECC 1600MHz Un-Buffered memory – Supplied with 4GB</td>
</tr>
<tr>
<td>Hard Disk Drive</td>
<td>1.0TB SATA 7200 RPM 64MB 3.5”</td>
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<tr>
<td>Form Factor</td>
<td>1U rackmount</td>
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<tr>
<td>Software</td>
<td>Open-E DSSV7</td>
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<tr>
<td>Power Supply</td>
<td>350W High-efficiency Single Power Supply</td>
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</tbody>
</table>

Performance

Performed on a NAS volume
Sequential read/write, 32K block size

```plaintext
250 MB/s
200 MB/s
150 MB/s
100 MB/s
50 MB/s

224MB/s 224MB/s 225MB/s 223MB/s 224MB/s 223MB/s
112MB/s 112MB/s

Read  Read  Read  Read  Read  Read
RAID0 (Single NIC) RAID0 (Two Bonded NIC) RAID0 (Two Bonded NIC) RAID5 (Two Bonded NIC) RAID5 (Two Bonded NIC) during rebuild
Write  Write  Write  Write  Write
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