Financial Services

Financial institutions store petabytes of data and are typically required by law to quickly deliver it upon request. Legacy HDDs can’t keep up. The Micron® 5210 delivers.

<table>
<thead>
<tr>
<th>FSI Storage Metrics</th>
<th>HDD</th>
<th>5210</th>
<th>Improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data extraction and reporting (random reads)</td>
<td>200 IOPS</td>
<td>90,000 IOPS</td>
<td>450X</td>
</tr>
<tr>
<td>Record accuracy &amp; completeness (UBER error rate comparison)</td>
<td>1 sector per $10^{15}$ bits read</td>
<td>1 sector per $10^{17}$ bits read</td>
<td>100X</td>
</tr>
</tbody>
</table>

Comparison based on published 7.68TB Micron 5210 and 8TB 7.2K HDD specifications

5210 Advantage $$$ Help Ensure Accuracy & Compliance

How much is your time worth?

Typical FSI Record Retrieval Workload

- **Storage access pattern**: random reads & sequential writes
- **Storage IO size**: ≥32KB
- **Read/write ratio**: 99% read / 1% write

**How the workload works:**
- Rapidly retrieve user and transaction data
- Thousands of data points delivered daily (write once, read many)
- Compliance failure penalties may be significant
- Easy data encryption (at SSD level)

Ready to learn more? Read Micron’s in-depth financial compliance research