

Quasar system specifications

The following information applies to the Quasar system hardware and disaster recovery storage maintained at the NCAR-Wyoming Supercomputing Center in Cheyenne, Wyoming.

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Quasar system

Configuration	<p>IBM TS4500 robotic library with 2,198 slots and dual accessors; media verification enabled.</p> <p>22 IBM TS1160 tape drives</p> <p>2 PB IBM ESS disk cache</p> <p>5 Dell PowerEdge R540 data movers</p> <p>1620 JE cartridges, each with an uncompressed capacity of 20 TB</p> <p>IBM Spectrum Archive and IBM Spectrum Scale software</p> <p>User interface: Globus</p> <p>High-availability capabilities include:</p> <ul style="list-style-type: none">• Dual accessors in library• Spectrum Archive software can failover to any of the movers• Disk cache uses declustered RAID to be able to handle multiple disk failures• Disk cache comprises two servers, which are redundant
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Fireproof safe for disaster recovery tapes

Door	<p>"B" rated heavy duty construction.</p> <p>2-Hr. 350°F fire protection. Tested at temperatures up to 1700°F.</p> <p>U.L. Listed Residential Security Container burglary rating</p>
Body	<p>Overall thickness of 4-5/8," constructed with 2" defense barrier of outer and inner steel plates.</p> <p>Heat-expandable intumescent door seal guards contents against severe fires.</p> <p>Heavy-duty steel hinges provide easy, smooth door operation.</p>
Locking mechanism	<p>Two 1-1/2"-diameter solid steel chrome-plated locking bolts.</p> <p>Two 1-1/2" diameter solid steel deadbolts lock deep into the body, preventing door removal during a forced entry attempt.</p> <p>Equipped with the AMSEC ESL10XL U.L. Listed Type 1 electronic lock.</p> <p>Lock protected by a tempered glass relock device.</p>

Additional information	<p>Weight: 318 lbs</p> <p>Interior dimensions: 19"H x 12.5"W x 12.2"D</p> <p>Outside dimensions: 24.5"H x 18"W x 19.875"D</p> <p>Cubic inches: 2,898</p> <p>Shelves: 2</p> <p>Steel door thickness: 2" inches</p> <p>Body thickness: 2.875"</p> <p>Inner wall steel thickness: 2.875"</p> <p>Burglary protection (Safe Rating): RSC I</p> <p>Fill type: Concrete mix</p> <p>Fire protection: 120-minute</p> <p>Customizable: Yes</p> <p>Safe type: Commercial Security Safe Composite Safe Retail Safe Back Office Safe</p> <p>USA-made or foreign-made: Foreign-made</p>
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