Acceleron Backup Appliance

Product Specifications

Acceleron Backup Appliance® BA210

Acceleron BA210 is a backup appliance with unified storage arrays are designed with enterprise features and reliability at an entry-level cost. This Software Defined Storage solution well suited for wide range of applications. It is suitable for Enterprises looking for flexible storage backup options.

With the exponential growth of data, backups are becoming prohibitively slow and storage costs are rising. How can you enable a cloud-connected, IT environment to support your data management strategy? Here's how: B210 integrated with Quest® QoreStor® and Netvault is a software-defined secondary storage platform that accelerates backup performance, slashes on-premises and cloud storage requirements and costs, and enables the use of cloud storage for backup, archiving and disaster recovery. QoreStor supports most popular backup software solutions — so there's no need to rip and replace your existing software! Simple to deploy and easy to manage, QoreStor enables you to shrink replication time, improve data security and meet compliance requirements.

BA210 with Quest® NetVault®, high-growth organizations can benefit from enterprise-class, cross-platform data protection that's easy to use right out of the box and that scales easily to accommodate data growth.

BENEFITS:

- Slash on-premises and cloud backup storage costs.
- Accelerate backup completion with unique protocol accelerators and deduplication.
- Replicate data on-premises or to another cloud.
- Shrink replication time by transmitting only changed data.
- Leverage your existing data protection technologies.
- Lower total cost of ownership through all-inclusive licensing

BACKUP OPTIMIZATION

QoreStor enabled BA210 delivers transparent storage that connects instantly to the cloud, accelerates backup performance, reduces storage requirements and costs, and restores immediately from the cloud to help RTOs/RPOs.

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FEATURES

• **Cloud Tier** — Move and recover data from cloud storage quickly and easily with this policy-driven, seamless cloud extension.

• **Performance Tier** — Recover instantly, without having to compromise on deduplication, with this high-speed storage group.

• **Archive Tier** — Address long-term data retention needs by sending backup data to low-cost 'cold' cloud storage, such as AWS Glacier and Azure Archive.

• **Object Direct** — Reduces backup storage costs by allowing the use of low-cost object storage (on-premises and in the cloud) for the main backup data repository.

• **Hardware- and software-agnostic platform** — Employ any storage hardware, backup software, virtualization platform or cloud provider to reduce costs, simplify your IT environment and maximize your ROI.

• **Next-generation storage deduplication engine** — Lower your backup storage requirements by an average of 20:1, and take advantage of enterpriseclass variable-block deduplication.

• **Built-in protocol accelerators with Secure Connect technology** — Accelerate data ingest by up to 20 terabytes per hour to address your ever-shortening backup windows. Ensure complete backups, even over poor links that disconnect often.

• **Remote replication for disaster recovery** — Replicate only unique data to a remote site, reduce replication windows by 10 to 15 times, reduce network bandwidth requirements by 85 percent and shorten overall replication time

• **Back up to the cloud** — Back up directly to the cloud over your WAN, but with LAN-like speeds through source-side deduplication where only the changes are transmitted. Achieve recovery point objectives (RPOs) that are typical of on-premises deployments, even over the WAN.

• **Direct-to-target backup** — Bypass the media server and back up directly to the target storage device.

• **Data security** — Meet demanding security requirements with built-in encryption at rest, secure erase and FIPS 140-2 compliance. Encryption at rest uses industry-standard 256-bit Advanced Encryption Standard (AES) keys.

• **Best-in-class data integrity** — Count on data verification and file system health checks to overcome potential storage failures and help ensure recoverability.

• **Multitenancy and role-based access** — Create storage groups easily — and containers within those storage groups — to define separate storage policies and capacities. Advanced user roles allow for more granular control.

• **Global View Cloud** — Administer all BA210 instances in a single console, from anywhere, on any device, making **BA210** easy to use, manage and maintain.

• **VTL and NAS Simulation –** BA210 support emulation/Simulation of both VTL and NAS target like CIFS, NFS, OST/CATALYST. BA210 support configuration of minimum 20 tape Libraries & NAS targets along with 20,000 Cartridge simulations in the single appliance

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ACCELERON BA210 Hardware Specifications	
Form factor	• 2U, 19” rack mount • Dimensions (WxDxH) – 438 x 658 x 174 (mm)
Processor subsystem	• 2 x Intel Xeon Processor Gold • From 128GB to 1TB RAM (Configurable) • Support Intel® Optane™ DC Persistent memory • Intel® C621 chipset
Max Physical Storage	• 384TB in 2U • It can scale up to 2PB with additional disk enclosures
Read Cache Size	• 480GB NVMe
Front Control	• Power button • System reset button
Front I/O Ports	• 2 x USB 3.0
Visual Indicators	• Power • UID • LAN activity • HDD status
Rear Panel	• 4 x10/25 Gbps Network interfaces • 4 x 32 Gbps/ Quad 16Gbps FC ports • 2x RJ45 Network interfaces (10/100/1000 Base-T) • 1 x IPMI interface (10/100/1000 Base-T) • 1 x DB-9 (serial port)
SAS Interface	• External SAS Interface for JBOD
Drive bays	• 2U 24 x 2.5” SAS SSD • Expanded using with JBOD enclosures
Power	• 2 (1+1) CRPS (80+ Platinum)
Cooling	• 80 x 25/38mm internal fans
Temperature	• Operating: 10°C to 35°C (50°F to 95°F) • Non-operating: -40°C to 70°C (-40°F to 158°F)
Weight	• 30Kg
Operating System	• Linux

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