



Configurable Tiered Storage for Unstructured Data

BlueArc RS60 Storage Array

KEY BENEFITS

- Delivers linear capacity and performance scalability for up to 180 disk drives
- Supports high performance SAS and cost effective Nearline SAS drives
- Perfect for large amounts unstructured data in virtualization and high performance computing
- Complements BlueArc's Mercury and Titan storage servers
- Multiple RAID options provide flexibility and efficient capacity utilization

Now the requirement to simultaneously deliver high density and high performance storage for a diverse range of applications is solved for both virtualized and non-virtualized environments. The BlueArc RS60 storage array increases workflow throughput for solutions that use large amounts of unstructured data.

If high density storage is what you need, the BlueArc RS60 storage array is the answer. With capacity for up to 180 drives in a single array, each controller module and expansion shelf holds sixty 2.5" or 3.5" drives in a 4U enclosure.

The BlueArc RS60 is a high density disk storage enclosure that can deliver a maximum of 45TB per rack unit with 3TB drives when compared with traditional 2U, 12 drive enclosures at only 18TB per rack unit. It resolves the service challenge of other high density configurations by having a front loading tray design with five trays of 12 drives each, either 2.5" or 3.5".

Each storage system can support intermixing SAS and Nearline (NL) SAS. Now IT organizations can match the value of the data to the cost of the media. The RAID controllers can support expansion shelves with different types of drives, providing all the drives on any particular shelf are of the same type.

The BlueArc RS60 is available in two models. Both utilize next generation 6Gbps SAS 2.0 disk and expansion technology. The base model RS60C delivers excellent performance for all but the most demanding applications. The RS60T delivers up to 30 percent greater performance than the RS60C by utilizing a turbo upgrade.

Either model is perfect for large amounts of unstructured data originating from horizontal solutions like high performance computing and virtualization or vertical solutions like energy, finance, life sciences, media and entertainment.

When combined with a BlueArc Mercury or Titan server, the RS60 storage array gives IT professionals the ability to tailor their storage solution in order to meet the capacity and performance needs of their organization. This translates to improved business agility and lower acquisition and operating expenses.

BlueArc personnel and authorized BlueArc partners offer service that includes field based parts replacement process and ongoing maintenance. Standard BlueArc service levels are offered with this product.

1. Standard Service: 24x7 with next business day (NBD)
2. Premium Service: 24x7 with 4 hour parts delivery

General Information		
Maximum drives per enclosure	60	
Maximum disk drives supported	180	
Drive form factor supported	All 2½" drives, all 3½" drives or a combination of 2½" and 3½" drives in the same enclosure	
Controller form factor	4U: Dual controllers + 60 drives	
Drive types supported	<ul style="list-style-type: none"> • SAS: 600GB/10K (2.5") • SAS: 900GB/10K (2.5") • Nearline SAS: 2TB / 7.2K (3.5") • Nearline SAS: 3TB / 7.2K (3.5") 	
Controller supported interface protocol	BlueArc Mercury- or BlueArc Titan-based fibre channel (FC)	
Expansion shelves supported	<ul style="list-style-type: none"> • 4U, 60 drives located in five trays of 12 drives • Maximum 2 expansion shelves per controller shelf 	
Attachment Protocol	4, 8Gb/s FC front end ports	
Connectivity	2, 6Gb/s SAS expansion ports	
Data protection/integrity	RAID 5, 6, and 10	
High availability features	<ul style="list-style-type: none"> • Dual active controllers with auto I/O path failover • RAID 5, 6, and 10 • Redundant, hot swappable storage controllers, disk drives, power supplies, and cooling fans • Automatic drive failover, detection, and rebuild using global hot spare drives • Redundant paths from controller to drives • Mirrored data cache with battery back-up and de-stage to flash • Proactive drive health monitoring identifies problem drives before they create issues • Media scan with auto parity check and correction 	
Max RAID size groups	<ol style="list-style-type: none"> 1. RAID 1/10: 30 (15 data disks + 15 mirror disks) 2. RAID 6: 17 (15 data disks + 2 parity disks) 3. RAID 5: 16 (15 data disks + 1 parity disk) 	
Physical Attributes		
	Height	7" (17.78 cm)
	Width	19" (48.26 cm)
	Depth	32.5" (82.55 cm)
	Weight (with drives)	232lb (105.2kg)
Power & cooling		
	KVA	1.268
	Watts	1222
	BTU/hr	4180



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