



8Gb FC-to-SAS 2.0 RAID

BlueArc RS12

KEY BENEFITS

- Optimize price performance for both revenue generating and capacity centric applications
- An essential component of your BlueArc Intelligent Tiered Storage Solution
- SSD drives for high performance Tier-0 storage
- Multiple RAID options provide flexibility and efficient capacity utilization

The challenge is clear. Storage professionals across the industry are being asked to deliver greater performance, reliability and capacity. The RS12 addresses these challenges by combining Fibre Channel host connectivity with the latest SAS 2.0 disk drive, SSD, and expansion technology.

Traditional tiered storage subsystems provide few options usually limited to the type of disk drives. While this approach works, the RS12 platform provides several options enabling it to be uniquely tailored for a broad range of requirements.

The RS12 is available in three different models each utilizing next generation 6Gbps SAS 2.0 disk and expansion technology. The base model RS12C delivers excellent performance for all but the most demanding applications. And for the most demanding applications there is the RS12T delivering up to 30% greater performance than the RS12C.

Both the RS12C and RS12T scale to 96 drives and utilize SAS 15K rpm disk drives for Tier 1 storage which is the home of mission critical applications requiring the highest levels of performance and reliability. This is particularly important for revenue generating applications. For Tier 2 storage Near Line SAS drives are used which provide several advantages over SATA. Being dual-ported Near Line SAS drives outperform SATA, and are purpose built for 24x7 operations.

The RS12T-SSD is ideally suited for applications demanding the performance of Tier-0 Solid State Devices. Utilizing enterprise class high-performance SLC SSD the RS12T-SSD delivers over twice the performance of the RS12C.

With the RS12 platform storage professionals can now tailor their system to meet the capacity and performance needs of their organization.

General Information	
External Interface	8 x 8Gb FC, point-to-point, loop and fabric (switched) topologies
Drive Interface	6Gbps SAS 2.0
Large LUN Support	Yes
Expansion Chassis	RS12E (7 max)
Cache per controller	1GB Cache per controller with battery backup

Disk Drives	
Drive Types	SAS, Nearline SAS, SSD
Max Drives per Enclosure	12 Drives
Max Drives per Array	96 Drives

RAID Controllers	
No. RAID Controllers	2 (dual - HA)
RAID Levels Supported	5, 6, 10
RAID Protection Features	Automatic Drive failure detection and rebuild using global hot spare drives

System Management	
Software	BlueArc System Management
Interfaces Supported	Ethernet (out-of-band)

System Availability	
Hot Swappable Components	RAID controllers, Disk Drives, Power Supplies, Cooling Fans, Cache Batteries
Additional Reliability Features	Multi-Path failover, Array Configuration Data Redundancy

Dimensions	
Height	86mm (3.39") 2 EIA Units
Width	448mm (17.60") IEC Rack Compliant
Depth	540mm (21.26")
Weight	27Kg (60lbs) with drives

Power and Temperatures	
Voltage	100 to 240V AC
Frequency	60/50Hz, single-phase
Power Consumption	319W w/controller 276W w/o controller
Temperature Range Operating	10°C to 35°C (50°F to 95°F)

Approvals	
Europe	CE, RoHS (5) & WEEE compliant
EMC	EN55022, FCC & VCCI, all class A EN55024
Safety	CSA/UL 60950-1, EN60950



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