

BrightDrive SAN Server for Media - Tech Specs

Version Comparison Astella / Triton / Procyon



Server Chassis	4U server enclosure with rack mount kit, dual FRU power supplies/fan assemblies, and 6Gbit SAS drive backplane	1 RU server enclosure with rack mount kit, dual FRU power supplies/fan assemblies, a 6Gbit SAS midplane, and 24GB DDR3 registered RAM.	3 RU server enclosure with rack mount kit, dual server modules, dual FRU power supplies/fan assemblies, a 6Gbit SAS midplane, and 24GB DDR3 registered RAM.
Metadata chassis	Embedded	Embedded	Embedded
UPS + PDU	n/a	n/a	n/a
RAID Specs	2 x RAID 6 plus 1 x RAID 1; features the Aurora RAID 6 engine technology in a single controller configuration with 16GB of RAM (upgradeable to 128GB)	4 x RAID 1 for workspace metadata	8 x RAID 1 for workspace metadata
Drive Support	36 x 3.5-inch SAS 6Gbit/s hot-swap hard drives (includes 2 spares) for mirrored metadata	2 x 2.5-inch 1TB SAS 6Gbit/s hot-swap hard drives; 6 x 2.5-inch 146GB SAS 6Gbit/s hot-swap hard drives; 1 x 16GB SATADOM	2 x 3.5-inch 1TB SAS 6Gbit/s hot-swap hard drives; 14 x 3.5-inch 300GB SAS 6Gbit/s hot-swap hard drives; 1 x 16GB SATADOM
Workspaces	1 embedded workspace	Supports up to four workspace data sets	Supports up to eight workspace data sets
Operating System	Linux	Linux, 64-bit	Linux, 64-bit
Supported Client OS	Windows, MAC OSX, Linux	Windows, MAC OSX, Linux	Windows, MAC OSX, Linux
Connectivity	Fibre Channel: 4 x 8Gbit (expandable to 8 x 8 Gbit) Ethernet: 2 x 1Gbit	Fibre Channel: 1 x 8Gbit; Ethernet: 2 x 1Gbit	Fibre Channel: 2 x 8Gbit; Ethernet: 2 x 1Gbit
Scalability	No (but hardware can be utilized in a BrightDrive G2 environment)	Scalable to support from one to four workspace data sets	Scalable to support from one to eight workspace data sets
Number of Streams	3 streams (2K)	Multiple concurrent streams of film resolution material, based upon selected storage	Multiple concurrent streams of film resolution material, based upon selected storage
High Availability	No	No	Yes
Warranty	Yes, 12 months with advanced replacement; Warranty extension optional	Yes, 12 months with advanced replacement; Warranty extension optional	Yes, 12 months with advanced replacement; Warranty extension optional
Service Available	Full service and support	Full service and support	Full service and support
Electrical			
Voltage	100-240 Vac Auto-Ranging 50-60 Hz	100-240 Vac Auto-Ranging 50-60 Hz	100-240 Vac Auto-Ranging 50-60 Hz
Current (Maximum)	8 A @ 100 Vac; 4 A @ 200 Vac	10 A @ 100 Vac; 4 A @ 240 Vac	11.5 A @ 100 Vac; 5.5 A @ 240 Vac
Power Supply	1400W high-efficiency power supply with PMBus	700W (2 x load-share) 80 Plus Gold Certified	1200W (2 x load-share) 80 Plus Gold Certified
Power Consumption	523 Watts (under load with SAS HDD)	300 Watts (peak load)	660 Watts (peak load)
Environmental			
Operating Temperature	10°- 35°C (-40° +70°C non operational)	10°- 35°C (-40° +70°C non operational)	10°- 35°C (-40° +70°C non operational)
Relative Humidity	Maximum 90%	8%-90% operating (5%-95% non-operational)	20%-95% operating (5%-95% non-operational)
Certifications	CE, FCC Class A	FCC Class A, EN55022 Class A, CISPR 22 Class A CSA Listed/EN/IEC/UL 60950-1 Compliant, CE Marking	FCC Class A, EN55022 Class A, CISPR 22 Class A CSA Listed/EN/IEC/UL 60950-1 Compliant, CE Marking
Mechanical			
Height	7" (178mm)	1.7" (43mm)	5.2" (132mm)
Width	17.2" (437mm)	17.2" (437mm)	17.2" (437mm)
Depth	27.5" (699mm)	26.6" (676mm)	24.2" (615mm)
Gross Weight	80 lbs (36.3 kg)	45 lbs (20.3 kg)	99 lbs (44.8 kg)