



NXS-B60E™

60 Bay Expansion Unit Specification Sheet

60 Bay Expansion Unit Specifications Overview

- Expand Nexsan SASBeast™ and SATABeast® Enterprise-class RAID systems to 102 disks for a total of 204TB
- Compatible with all SASBeast and SATABeast using the latest 8Gbit FC Controllers
- Multiple active capacity drawer design requires only a total of 4U rack space
- Reduce energy costs up to 87% through AutoMAID® level 4
- Expand total Beast capacity to 204TBs with 2TB disks

RAID levels, drive types and performance

Since the NXS-B60E™ is an expansion of the SASBeast and SATABeast, the RAID levels, performance, number for LUNs and supported drives are governed by the Beast controlling the NXS-B60E. You can create a RAID set across multiple active capacity drawers, and if you are using a SASBeast, each active capacity drawer can have a different drive type (i.e. one drawer with SATA, the other drawer with SAS)

External Data Interface

There are 4 connectors on each NXS-B60E Expansion Interface Module. Each one of the four connectors consists of 4 x 3Gbit SAS links for a total of 12Gbit per connector. On each module there are two connectors (2 x 12Gbit) for “input” from the SASBeast or SATABeast and two connectors (2 x 12Gbit) for output to support future expansion. From the rear view, the right-hand pair is used for input.

SAS cable connector type : External Mini SAS 26 pin I-Pass (8088) connector with Universal Keying SAS cable type – Amphenol Spectra-Strip cable or equivalent – 2 meters 28AWG, 3metres 26AWG, 4metres 24AWG equalized Maximum SAS cable length is 4m – Applications requiring greater than 4m should consult Nexsan.

“Hot” Field Replaceable Modules

- Two replaceable PSUs
- Expansion Interface Modules
- Disk drives within any of the active capacity drawers
- Rear “fan-pack” module at the rear of a fully withdrawn active capacity drawer
- The bezel assemblies on the front of the active capacity drawers (each contain a fan)



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Size Specifications	
Width of Expansion Unit	16.93 inches / 43.00 cm
Width of Expansion Unit with mounting flanges	19.00 inches / 48.26 cm
Length of Expansion Unit	37.40 inches / 95.00 cm
Length of Expansion Unit with required front bezels and rear handles	40.39 inches / 102.60 cm
Total Length, including bezels, handles and cable routing	42.72 inches / 108.50 mm
Total Height	7 inches / 17.78 cm. (4U)

NOTE: The NXS-B60E is fixed in place. All serviceable components can be accessed from the rear or front of the system. The disks and disk cooling fans are located in 3 extractable drawers. Each drawer has its own internal cable management system, so no cable management system is required. Drawers can be pulled open and closed while remaining fully active for easy disk and cooling fan maintenance. Please contact your sales representative for additional details.

Weight Specifications	
With 2 expansion modules, PSU's, mounting kit and 60 2TB drives	212 lbs / 96 Kg
With 2 expansion modules, PSU's, mounting kit and 60 1TB drives	205 lbs / 93 Kg
Rack mounting kit only	6.61 lbs / 3 Kg

Power Consumption Specifications	
Required Power	200v - 264V
Power Supplies	Dual 1600W redundant and load sharing
Typical power consumption	See "Boy and Beast Energy Consumption Chart with AutoMAID"

Cooling Consumption Specifications	
Typical power consumption (using SAS) 1200W	4094 BTU/s
Peak power consumption (using SAS) 3000w	10236 BTU/s
AutoMAID 4 power consumption (using SATA) 244W	833 BTU/s

Required Operating Conditions	
Operating Temperature Range	41°F to 95°F / 5°C to 35°C
Operating Humidity Range	20% to 80% non-condensing
Operating Altitude	0 to 7,000ft / 0 to 2,133m
Non-operational Altitude	0 to 40,000ft / 0 to 12,192m

Cooling Fans	
Front Panel	3 x 120cfm 12V Axial Fans (life 40,000hrs)
PSUs	2 per PSU, 60cfm 12V Axial Fans (life 40,000hrs)
Auxiliary Blower Module	4 x 10cfm 12V Radial Blower (life 40,000hr)

