

# SB2100



## 2U Rugged High Density Storage Server 16 Hot Swap Removable Hard Drives

### Key Features

- 2U, 20" deep chassis with ATX motherboard
- 5 Slots available for customer supplied low profile cards
- (16) x 2.5" removable hard drives
- Eight memory sockets support DDR3 DIMMs delivering up to 128 GB memory capacity
- Positive pressure cooling with shock mounted hot-swap PWM motherboard controlled fans with LED Fault Indicators
- Intel® Advanced Management Technology including PMBus power supply sensing, temperature, power, voltage, fan, etc.
- 700 Watt hot-swap redundant AC auto-switching power supply
- MIL-STD-810G shock & vibration
- 10 Point Survivor Technology

### Product Highlights

The SB2100 2U storage box provides a compact, versatile, rugged 2U platform offering high reliability for the most demanding applications.

Intel processor based architecture provides the highest performance available. Active motherboard CPU options enable maximum flexibility. With sixteen 2.5" removable hard drives, the SB2100 can meet all of your storage needs.

The SB2100 2U storage box is an extreme duty system designed for military operations, oilfield services, and a multitude of other rugged industrial applications. With a compact design that saves space and weight, the system offers great value and performance without the associated high cost. Designed and tested for high shock and vibration, the SB2100 provides complete protection for mission critical applications.

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## Specifications

### CHASSIS

<b>Material</b>	.060" 5052-H32 aluminum (gold alodine)
<b>Front Panel</b>	.190" Alum black powder coat
<b>Indicators</b>	Power, 3 Drive LEDs per carrier, Locate ID, Fault, Global Drive Activity, LAN activity
<b>Controls</b>	Power ON/OFF, system reset, Locate
<b>Dimensions</b>	(W x D x H) 19" x 20" x 3.47"

### SYSTEM BOARD

<b>Type</b>	ATX Motherboard - Supports 5 low profile cards
<b>CPU</b>	
<b>Intel</b>	Latest Intel processor
<b>AMD</b>	Latest AMD processor

### Memory

<b>Memory</b>	8 sockets support U/R DDR3 DIMMs up to 128GB capacity
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### COOLING

<b>Front</b>	(3) x 60mm PWM fans (hot-swap)
<b>Middle</b>	(2) x 40mm PWM fans (hot-swap)

### POWER

<b>Power Supply</b>	700 Watt hot-swap redundant AC auto-switching power supply
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### RUGGEDIZATION

<b>System</b>	10 Point Survivor Technology
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### DRIVE BAYS

<b>Front Accessible</b>	(16) x 2.5" removable hard drives with LED indicators
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### ENVIRONMENT

<b>Temperature</b>	0° to 50° C
<b>Humidity</b>	5% to 95% Non-condensing
<b>Altitude</b>	Up to 10,000 feet
<b>Vibration</b>	Method 514.6, Annex C, Category 4, Figure : 514.6C-1 and Table: 514.6C-II.
<b>Shock</b>	Method 516.6, Procedure 1 (20G,5ms)

#### MIL-STD-810G Shock and Vibration.

Note: Systel maintains an on-site environmental lab for shock and vibration testing. As an added benefit we can test the many different combinations for operating and non-operating profiles to meet transportation, airframe and shipboard applications.

### OPTIONS

Rack mount slide assemblies  
Riser card PCI, PCIe, PCI-X configuration  
Rear cable management system  
Custom color and logo