

# SB127-LX



## Features :

- 1U 36-Bay storage server supports 36 Next Generation Small Form Factor (NGSFF) PCIe NVMe SSD drives to provide a high density, all NVMe Flash storage array
- Supports two Intel® Xeon® Scalable Processors family
- With Intel® C620 Series Chipset to provide 5+ years product life cycle
- Flexible IO usage with Max IO™ to support up to 2 NIC Cards and 2 OCP Mezzanine Cards v2.0
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions

## SPECIFICATIONS

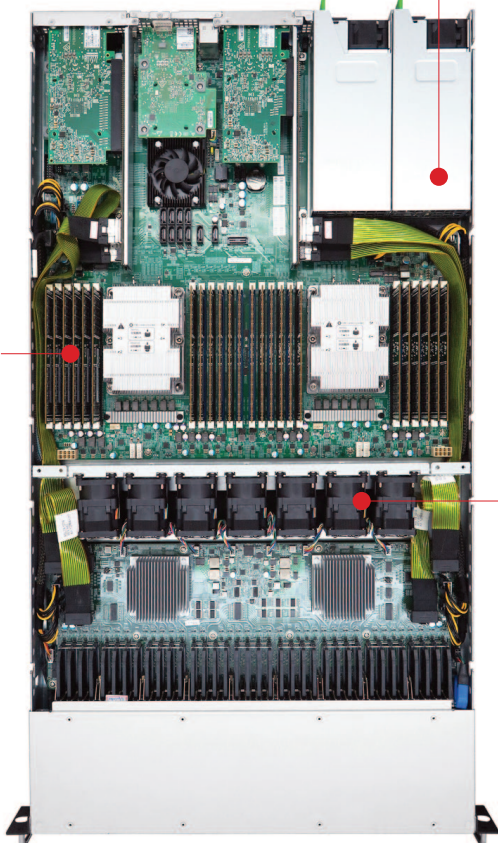
<b>Dimensions</b> (W x D x H) (with chassis ears)	mm : 482.6 x 801.2 x 44		
	inches : 19 x 31.5 x 1.7		
<b>Motherboard</b>	AIC Server Board Lynx		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Scalable Processors family	
	UPI Speeds	10.4GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
<b>Chipset Support</b>	Intel® C620 Chipset		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• 24 DIMM slots across 12 memory channels (6 memory channels per CPU; 2DPC)</li> <li>- DDR4 2666 (1DPC)</li> <li>- DDR4 2400 (2DPC)</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• Two USB 3.0 Type A connectors</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• Drives activity</li> <li>• LAN activity</li> <li>• System alert</li> </ul>		
<b>Drive Bays</b>	External	NGSFF hot swap	36
	Internal	2 x M.2 NGFF to support PCIe Gen3.0 x4 or SATA	
<b>Backplane</b>	1 x 36-port NGSFF PCIe SSD backplane		
<b>Expansion Slots</b>	PCIe 3.0	<ul style="list-style-type: none"> <li>• 2 x NIC Cards</li> <li>• 2 x OCP Mezzanine Cards v2.0</li> </ul>	

<b>System BIOS</b>	BIOS Type	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe Hotplug</li> </ul>
<b>On-board Devices</b>	SATA	Intel® C620 Chipset to support 10 x SATA
	IPMI	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor
	Network Controllers	Intel® Ethernet Controller I210 Gigabit MAC/PHY to support 2 x RJ45 GbE
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>

TOP VIEW

AC 1200W or 1600W 1+1 redundant high-efficiency power supply 80+

24 DIMM slots across 12 memory channels



7 x 40x56mm dual rotor hot swap fan modules

REAR VIEW

2 x NIC Cards



2 x OCP Mezzanine Cards v2.0

FRONT VIEW

36 x NGSFF hot swap drive bays



2 x USB 3.0

<b>Rear I/O</b>	LAN	3 x RJ45 ports (1 dedicated to BMC)
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x Micro USB
<b>Power Supply</b>	AC 1200W or 1600W 1+1 redundant high-efficiency power supply 80+	
<b>System Cooling</b>	7 x 40x56mm dual rotor hot swap fan modules	

<b>System Management</b>	<ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>	
<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 28
		lbs : 61.7
<b>Packaging Dimensions</b>	(W x D x H)	mm : 615 x 1145 x 278
		inches : 24.2 x 45 x 10.9