

# SB401-LB



## Features :

- 4U 24-Bay storage server
- Supports two Intel® Xeon® Processors E5-2600 v3 and v4 product family
- With Intel® C612 Series Chipset to provide 5+ years product life cycle
- 6 x PCIe 3.0 slots
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10 GbE RJ45 ports

## SPECIFICATIONS

<b>Dimensions</b> (W x D x H) (with chassis ears)	mm : 483 x 645 x 176		
	inches : 19 x 25.4 x 6.9		
<b>Motherboard</b>	AIC Server Board Libra		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3 and v4 product family	
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
<b>Chipset Support</b>	Intel® C612 Chipset		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• 16 DIMM slots across 8 memory channels (4 memory channels per CPU; 2DPC)</li> <li>- 512GB DDR4 2133/1866 RDIMM DRx4</li> <li>- 128GB DDR4 2133/1866 RDIMM SRx4</li> <li>- 1024GB DDR4 2133/1866 LRDIMM QRx4</li> <li>- 2048GB DDR4 2133/1866 LRDIMM 3DS 8Rx4</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System ID</li> <li>• System reset</li> <li>• NMI button</li> <li>• 2 x USB</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• System ID</li> <li>• Alert</li> <li>• LAN</li> <li>• Drive</li> </ul>		
<b>Drive Bays</b>	External	3.5" hot swap	24
		2.5" hot swap	Options : • 2 x 2.5" hot swap • 2 x 2.5" internal
	Internal	2.5"	
<b>Backplane</b>	Option	1 x 24-port 12Gb SAS backplane with 36-PHY expander chip and 3 SFF-8643 connectors	
		1 x 24-port 12Gb SAS backplane with 6 SFF-8643 connectors	

<b>Expansion Slots</b>	PCIe 3.0	2 x16 + 1 x16 (x8 mode) + 3 x8
<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 NTB</li> </ul>
<b>On-board Devices</b>	SATA	Built-in SATA controller with RAID support on Intel® C612 Chipset
	IPMI	<ul style="list-style-type: none"> <li>• Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <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>
	Network Controllers	<ul style="list-style-type: none"> <li>• Intel® Ethernet Controller X540-BT2 dual port 10 GbE, 10GBASE-T, PCIe v2.1, x8 (Or Intel® Ethernet Controller I350-AM2, dual port GbE, PCIe v2.0 (co-lay with Intel® X540-BT2). MOQ required.)</li> <li>• Intel® Ethernet Controller I210-AT, single port GbE controller, PCIe v2.1, 2.5 GT/s, x1</li> <li>• Intel® Ethernet Network Connection I217-LM, single port GbE, 1Gbps</li> <li>• Realtek® RTL8201EL single port 10/100 Mbps Ethernet PHYceiver for dedicated BMC port</li> </ul>
	Graphics	<ul style="list-style-type: none"> <li>• Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>



• TOP VIEW •

1200W 1+1 redundant PSU 80+ Gold

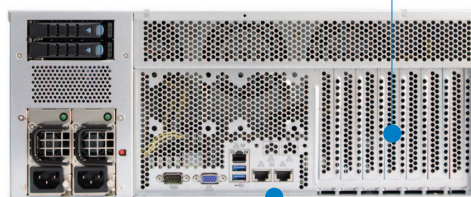


3 x 12025 PWM hot swap fans

\* Power supply and Server board are included.

• REAR VIEW •

Supports up to 6 x PCIe 3.0 slots



2 x 10 GbE RJ45 ports

• FRONT VIEW •

24 x 3.5" hot swap drive bays



<b>Rear I/O</b>	LAN	2 x RJ45 1 x RJ45 (dedicated BMC port) 2 x RJ45 cabled from two internal 2x5 box pin-header (optional accessory)
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	1200W 1+1 redundant PSU 80+ Gold	
<b>System Cooling</b>	Middle : 3 x 120x25 PWM hot swap fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• Operating altitude condition : 0 - 10K feet</li> <li>• Storage temperature : -20° - 60°C</li> <li>• System relative humidity : 5% - 95% (38°C) non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 35
		lbs : 77
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 850 x 373
		inches : 23.2 x 33.5 x 14.7
<b>Mounting</b>	Standard	28" tool-less slide rail