

AIC Storage Server SB405-VL, Rack 4U, DP, 2Gen. Intel Xeon Scalable, 102xLFF, 2xSFF, Red. PSU, IPMI, 41" slide rail

Kod producenta: XP1-S405VL01



Chassis Form Factor	Rack 4U
CPU Socket	LGA 3647 (Socket P)
# of CPU sockets	2
Supported CPU's	Intel Xeon Scalable 1st Gen Intel Xeon Scalable 2nd Gen
Max CPU TDP	150 W
Chipset	Intel C620
Memory Type	DDR4 ECC RDIMM DDR4 ECC LRDIMM
Memory Speed	2933 MHz 2666 MHz 2400 MHz
# of DIMM's	16
Integrated GPU	Aspeed AST2500
# of 2.5 hot-swap bays	2
# of 3.5 hot-swap bays	102
Backplanes	SAS3/SATA3
# of PCIe x16 3.0	2
I/O expansion modules	1 x OCP 2.0 PCI-E 3.0 x16
# of USB Ports	2 x USB 3.0 Type A
# of SATA Ports	10
Integrated RAID	0,1,5,10
# of M.2 2280	2
# of Serial Ports	1 x external COM port phone jack
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
Power Supply	Redundant
PSU Wattage	2000 W
PSU Certification	80+ Platinum
Rack Rails	41" tool-less slide rail
Chassis Dimensions	434 x 1050 x 176 mm
Warranty	3 years

Key Features

- 4U ultra-density storage server supports 102 hot swap 3.5" SAS drive bays
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- Flexible I/O usage with MAX I/O to support up to 1 OCP x16 Mezzanine card 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

Dimensions (W x D x H)

- mm : 434 x 1050 x 176
- inches : 17.1 x 41.3 x 7

Motherboard

[Code Name - Vela](#)

Processor

- Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- Support CPU TDP up to 150W

*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.

UPI Speeds: 10.4 GT/s, 9.6 GT/s

Socket Type : Socket P0 (LGA-3647 Socket)

Chipset Support

Intel® Lewisburg C620 series PCH

System Memory

- 6 x memory channels per CPU, 2 channels with 2DPC + 4 channels with 1DPC
- 16 x DIMM slots support: DDR4 2933/2666/2400MHz RDIMM/LRDIMM
- Intel® Optane™ DC Persistent Memory (Apache Pass) support

Front Panel

System power on/off, System reset, 1 x USB 2.0 Type A

LEDs

Power status, Drive activity, System ID

Drive Bays

Internal :

- 102 x 3.5" hot swap (Top-Loading)
- 2 x 2.5" hot swap (7mm, Top-Loading)
- 2 x M.2(NGFF) / M-Key / 2280 / Supports SATA or PCIe x2

Backplane

- 3 x 24-port 12Gb SAS backplanes with 36-PHY expander and 2 x 8i SAS slimline connectors
- 1 x 30-port 12Gb SAS backplane with 40-PHY expander and 2 x 8i SAS Slimline connectors

Expansion Slots (PCIe 3.0)

- 2 x PCIe Gen3 slots x16
- 1 x OCP Mezz. V2.0 supports PCIe Gen3 x16

*OCP & PCIe slots rear I/O plate are BTO reserved by factory option.

System BIOS

BIOS Type: Insyde UEFI BIOS

BIOS Features :

- ACPI
- PXE
- WOL
- AC loss recovery
- IPMI KCS interface
- SMBIOS
- Serial console redirection
- BIOS Boot Specification
- BIOS Recovery Mode
- SRIOV
- iSCSI
- TPM

On-board Devices

SATA :

Intel® Lewisburg PCH on-chip solution

- 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)
- 8 x SATA 6.0 Gb/s by edge slot for extension
- RAID 0, 1, 5, 10 support by Intel RSTe

BMC :

Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor

- Baseboard Management Controller
- Intelligent Platform Interface 2.0 (IPMI 2.0)
- iKVM, Media Redirection, IPMI over LAN, Serial over LAN
- SMASH Support
- HTML5
- Redfish

Network Controller :

- Via OCP Mezzanine card/PCIe slots extension
- Realtek RTL8211E GbE Ethernet for BMC dedicated management port

Graphics :

Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor

- PCIe VGA/2D Controller
- 1920x1200@60Hz 32bpp

Rear I/O

LAN:

1 x GbE RJ45 dedicated to BMC management

USB:

2 x USB 3.0 Type A connectors

VGA:

1 x external VGA port

Serial Port:

1 x external COM port by 3.5mm phone jack

TPM Support

2.0 onboard

Power Supply

2000W 1+1 redundant power supply 80+ Platinum

- AC Input 200-240V, 50/60Hz, 15A
- Socket type: C20 (Power cord type: C19)

System Cooling

- 3 x 40x56mm dual rotor fans (MB canister)
- 8 x 60x56mm hot swap fans

System Management

- IPMI 2.0
- KVM over IP
- Media redirection
- Temperature, fan, voltage, PSU sensor monitor
- System temperature
- System ID / System fail indicator
- Remote power on/off/reset
- SEL message alarm through mail
- SNMP support
- Intel NM
- HTML5
- Redfish

Environmental Specifications

- Storage temperature : -10°C(14°F) ~ 60°C(140°F)
- Operating temperature : 0°C(32°F) ~ 35°C(95°F)
- Storage operating humidity : 5%~95% non-condensing

Gross Weight (w/ PSU, Rail, Pallet)

- kgs : 71
- lbs : 143.7

Packaging Dimensions (W x D x H)

- mm : 643 x 1350 x 416
- inches : 25.3 x 53.1 x 16.4

Mounting

Standard: 41" tool-less slide rail

Option: Cable Management Kit

** All specifications are subject to change without notice.*

Strona firmowa produktu:

<https://www.superstorage.pl/aic-storage-server-sb405-vl-rack-4u-dp-2gen-intel-xeon-scalable-102x1ff-2xsff-red-psu-ipmi-41-slide-rail-p-5877.html>