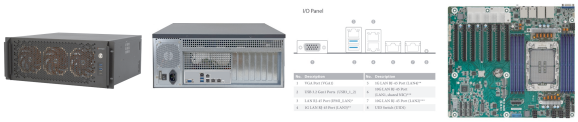
4U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG
SL-4U-XEON6-GR2LT-ST



(full size images available on web site)

Type:

- 4U Rack Mount Server
- Depth: 16.89", Max Card Depth: 375mm"

Motherboard:

- Featuring Intel Xeon 6 and Intel Xeon6 6700/6500-Series Processors, LGA4710 processor
- **Full Height Slots:**
  7 - PCIe x16
- **LAN:** 4x Ports (10GbE + 10GbE + 1GbE + 1GbE + IPMI)
- **RAID:** 0,1,5,10 and NVMe 0,1 RAID Intel VROC Xeon 6
- **Video:** 1x VGA
- **Audio:** No Onboard Audio
- **Ports:**
  4x USB 3.2 Gen 1 Ports (2 Front, 2 Rear)
  1x COM Port (RS232 Internal Headers)
  See specifications for more ports
- **Operating Temperature:** 10ºC to 35ºC (50ºF to 95ºF)

Configuration summary:

- **Processor:** Intel Xeon 6 6505P Processor, 2.2GHz (up to 4.1GHz), 12 Cores, 48MB L3 Cache, TDP 150W
- **Memory:** 2 x 16GB DDR5 5600MHz ECC Registered RAM
- **Hard Drive:** 1TB PCIe 4.0 NVMe SSD M.2 Read/write speeds up to 7100MB/s / 6700MB/s
- **Power Supply:** 850W ATX12V / EPS12V Full Modular Power Supply - 80+ Gold Certified
- **Operating System:** Not Included -

- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model
- Motherboard Type: SSI CEB

Supported CPU
- Number of Processors: 1
- Processor Type: Intel Xeon6 6700/6500-Series Processors, LGA4710

Chipset
- Chipset: Intel Xeon 6

Memory
- Memory Type: DDR5 5600MHz ECCR
- Memory Type: ECC Registered
- DIMMS: 8
- Maximum Memory: 128GB

On Board Audio
- Audio Type: No Onboard Audio

On Board Video
- Video Chipset: ASPEED AST2600 BMC
- Video on IO: 1x VGA
- VGA Port Out: 1

LAN
- LAN Ports: 4
- LAN Type and IPMI: 10GbE + 10GbE + 1GbE + 1GbE + IPMI
- IPMI
- LAN Chipset: Intel X710-AT2
- Second LAN Chipset: Intel X710-AT2
- Third LAN Chipset: Intel i210
- Fourth LAN Chipset: Intel i210
- Wireless LAN: No Integrated WLAN

Expansion Slots
- PCI Express x16 Slots On Motherboard: 7

M.2 Slot Specs
- Total M.2 NVMe SSD Slots: 2
- M.2 Slot #1 Specs
- 2280 - 22 mm x 80 mm.
- 22110 - 22 mm x 110 mm.

Chassis Specifications:

General
- Form Factor: 4U Rackmount
- Front Changeable Air Filter
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: SSI CEB
- Redundant Power Supply Capable
- Slide Rails: Optional

Expansion
- Full Height Slots: 8
- Max Card Depth: 375mm"
- Internal 3.5" Bays: 3
- Internal 2.5" Bays: 8

Front Ports
- USB 3.2 Ports (Front): 2
- USB Type-C (Front): 1

Cooling System
- Maximum Fan Count: 3

Physical
- Depth: 16.89"
- Depth (Inches): Click Available Downloads Tab > Mechanical Drawings.
- Width: 17"
- Height: 6.96"
- Shipping Box - Depth: 21"
- Shipping Box - Width: 21"
- Shipping Box - Height: 11"
- Shipping Weight: 30lbs

Other Features
- Features:
    - 8x full height PCIe card slot cutouts
    - Maximum card height: 158mm (card and power connector must be ≤158mm tall)
    - Maximum card length: 375mm (with 25mm thick front fans)
    -

- M.2 Slot #2 Specs
- 2280 - 22 mm x 80 mm.
- 22110 - 22 mm x 110 mm.

Rear IO

- USB 3.2 Gen 1 Type A Ports (on IO): 2

Headers

- USB 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 1
- FAN Connectors: 8
- TPM Support: Via 2.0 Header

Environmental

- Operating Temperature: 10ºC to 35ºC (50ºF to 95ºF)
- High Humidity: 90%
- Low Humidity: 20%

Operating System Support

- Windows Server 2022 STD
- Windows Server 2025 STD
- RED HAT Enterprise LINUX SERVER BASIC
- RED HAT Enterprise LINUX WORKSTATION STANDARD
- RED HAT Enterprise LINUX SERVER STANDARD
- Ubuntu Server Edition

Compliance of Component

- CE
- RoHS
- FCC

Other Features

- Features:
  PCIe x 16

  SLOT7: PCIe5.0 / CXL2.0 x16*
  SLOT6: PCIe5.0 / CXL2.0 x16
  SLOT5: PCIe5.0 / CXL2.0 x16
  SLOT4: PCIe5.0 / CXL2.0 x16*
  SLOT3: PCIe5.0 / CXL2.0 x16
  SLOT2: PCIe5.0 / CXL2.0 x16*
  SLOT1: PCIe5.0 / CXL2.0 x16

  *SLOT7, 4, 2 only function with selected processors

  M.2 Slot - 2 M-key (PCIe5.0 x4), supports 22110/2280 form factor

  Ethernet

  2 RJ45 (10GbE) by Intel X710-AT2
  2 RJ45 (1GbE) by Intel i210

- LIQUID COOLING NOTE: radiators reduce the available depth inside the case for long GPUs
- Inside of case is 399mm deep
- Thickness of radiator + thickness of case fans + GPU length must equal less than 399mm total.
- Chassis Warranty: 1 Year

- Motherboard Warranty: 1 Year

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