

# ALPS-2200B

## Mainstream 2U GPU Server

### Features

- Dual-socket Intel® 1st & 2nd Gen Xeon® Scalable Processor
- Up to 6x PCIe slots, including up to 2x PCIe x16
- 12x Front Hotswap 3.5"/2.5" SATA Drive bays
- 2x Rear Hotswap 2.5" SATA Drive bays
- PCIe x16 OCP v2.0 LAN Mezzanine
- AST2500 BMC with Redfish Support
- 770W 1+1 Redundant PSU

Preliminary



### Specifications

#### • CPU / Chipset / Memory

##### CPU

Intel® 1st & 2nd Gen Xeon® Scalable Processor with TDP up to 205W

##### Chipset

Intel® C621

##### Memory

Support 8+8 DDR4 DIMM slots (6x memory channels per CPU)  
DDR4 RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 2933/2666/ Intel Optane  
DC Persistent Memory Module (DCPMM)

Up to 512GB RDIMM/ 1,024GB LRDIMM/ 768GB LRDIMM 3DS \*Follow latest  
Intel DDR4 Memory POR

#### • I/O Interfaces

1x VGA port: D-Sub 15-pin port, up to 1920x1200

2x USB ports

Front: 2x USB 2.0 ports

Rear: 2x USB 3.0 ports

2x RJ-45: GbE ports (1x dedicated GbE for IPMI)

#### • Networking

Intel® I210-AT

2x GbE ports

1x GbE dedicated for IPMI

#### • Expansion Slots

2x PCIe Gen3 x8 slots (HH/ HL with tall bracket)

2x PCIe Gen3 x16 slots (FH/ FL/ SW) or 4x PCIe Gen3 x8 slots (FH/ FL)  
\*split by Mux.

other

1x PCIe Gen3 x16 OCP 2.0 slot (conn.A+conn.B) / 1x PCIe Gen3 x16 storage  
mezzanine slot

#### • Storage

SATA: 2x Mini-SAS HD (8-ports), RAID 0/1/10/5 (Intel® RSTe)

SATA: 2x SATA-DOM and 1x Mini-SAS HD (4-ports), RAID 0/1/10/5  
(Intel® RSTe)

M.2: 1x (2280/2260/2242) (by PCI-e interface)

# Specifications

## ● Mechanical and Environmental

### Form Factor

2U rack mount  
650mm x 440mm x 87mm

### Weight

Gross Weight 31kg (68.5 lbs)  
Net weight 17.5 kg (39 lbs)

### System Management

Onboard Aspeed AST2500  
24-bit high quality video compression / Supports storage over IP and remote iKVM: platform-flash / USB 2.0 virtual hub  
IPMI 2.0 compliant baseboard management controller (BMC)/10/100/1000 Mb/s MAC interface

### Power Supply

Input: AC 100-127V/10A/ AC 200-240V/5A  
Output: 800/1300/1600 Watts  
Efficiency: 80 plus Platinum  
Redundancy: 1+1

### Cooling

6cm fans

### Temperature

Operating: +10°C ~ +35°C (+50°F ~ +95°F)  
Storage: -40°C ~ +70°C (-40°F ~ +158°F)

### Humidity

In/Non-operating Humidity 90%, non-condensing at +35°C

## Operating System

### Windows

Windows 10 1703x64  
Windows 10 1709x64  
Windows 2012 R2 Update  
Windows 2016  
Windows 2019 1809

### Linux

FreeBSD 11.1 X64  
Ubuntu 17.04 X64  
CentOS7 1611 X64  
CentOS 7 1708 X64  
SLES 11 SP4 X64  
SLES 12 SP2 X64  
RHEL 6.9 X64  
RHEL 7.3 x64  
RHEL 7.4 x64

## Regulation

FCC (DoC): Class A  
CE (DoC): Class A  
CB/LVD: Yes