

## THOR200-V13 THOR200-N13

1U RUGGED VIRTUALIZATION SUPERCOMPUTER  
v256 CORES (5<sup>TH</sup> XEON-SP)



- 1U Rugged Virtualization Supercomputer v256 Cores
- 5th Dual Intel® Xeon® Scalable Processor up to 32 Cores, Per Node 64 Cores
- Support Nvidia L4 GPU Card
- 2x USB2.0 ; 1x IPMI ; 1x VGA ; 2x SFP28 25GbE
- 8x Removable M.2 SSD Storages Tray
- 1U Rugged Short Depth lightweight chassis
- Ultra Short Depth 22" (55CM)
- MIL-STD 810 Anti-Vibration, Shock

# Specifications

## SYSTEM

|                            |   |
|----------------------------|---|
| High performance Processor | 5th Dual Intel® Xeon® Scalable Xeon® 6538N (32Core/64 Threads , up to 4.10GHz),205W   |
| Memory Type                | 5th CPU support 16 x 260Pin DDR5 5600MHz RDIMM ECC, up to 1.5TB<br>5th CPU support 16 x 260Pin DDR5 5600MHz RDIMM-3DS(2CH)ECC, up to 2TB<br>5th CPU support 16 x 260Pin DDR5 5600MHz RDIMM-3DS(4CH)ECC, up to 4TB |
| Chipset                    | Intel® 741  |
| Expansion                  | PCIe5.0 x 16 Slot<br>OCP NIC3.0 (PCIe5.0 x 16)  |
| GPU                        | NVIDIA Tesla L4   |

## DISPLAY

|         |                |
|---------|----------------|
| Chipset | ASPEED AST2600 |
| VGA     | 1xVGA          |

## STORAGE

|         |  |
|---------|--|
| HDD/SDD | 1x M.2 2TB and 4 x 16TB U.2 or SAS HDD |
|---------|--|

## ETHERNET

|         |                   |
|---------|-------------------|
| Chipset | Broadcom BCM57414 |
| Type    | 2x SFP28(25GB)    |

## RAID

|      |                       |
|------|-----------------------|
| RAID | Support RAID 0,1,5,10 |
|------|-----------------------|

## FRONT I/O

|              |                          |
|--------------|--------------------------|
| HDD LED      | 1x HDD LED (Red)         |
| SSD          | 8x Hot Swap M.2 SSD tray |
| Power On LED | 1x Power on LED (Green)  |

## REAR I/O

|              |                              |
|--------------|------------------------------|
| USB          | 2x USB2.0                    |
| VGA          | 1xVGA                        |
| IPMI         | 1x IPMI                      |
| LAN          | 2x SFP28 25GbE               |
| PCIe5.0 x 16 | 1x PCIe5.0x16 expansion slot |

|        |                              |
|--------|------------------------------|
| OCP3.0 | 1x OCP3.0 NIC expansion slot |
|--------|------------------------------|

|       |                           |
|-------|---------------------------|
| Power | 1x AC-IN 3P C14 connector |
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#### **POWER REQUIREMENT**

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|             |                         |
|-------------|-------------------------|
| Power Input | 750W AC-IN 110~220V PSU |
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#### **OS**

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| OS Support | Windows®10 64-bit, Linux(Support by request) |
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#### **ENVIRONMENTAL & PHYSICAL**

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|-----------------------|---------------------|
| Dimension (W x D x H) | 480 x 550 x 44 (mm) |
|-----------------------|---------------------|

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|-----|-----------------------|
| EMC | CE and FCC compliance |
|-----|-----------------------|

|               |                       |
|---------------|-----------------------|
| Green Product | RoHS, WEEE compliance |
|---------------|-----------------------|

|                 |           |
|-----------------|-----------|
| Operating Temp. | 0 to 50°C |
|-----------------|-----------|

|               |             |
|---------------|-------------|
| Storage Temp. | -40 to 85°C |
|---------------|-------------|

|                   |                            |
|-------------------|----------------------------|
| Relative Humidity | 5% to 95%, non-condensing. |
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## Ordering Information

### HORUS220

Rugged 1U Shipboard Server with Intel® 5<sup>th</sup> Dual Intel® Xeon® Scalable Processor up to 32 Cores , 750W 110V to 220V AC-IN , 1xVGA , Operation Temp 0 to 50°C

### HORUS220-L4100G

Rugged 1U Shipboard Server with Intel® 5<sup>th</sup> & 4<sup>th</sup> Dual Intel® Xeon® Scalable Processor up to 32 Cores , 750W 110V to 220V AC-IN, 1x NVIDIA T4, 2x 100G, 1xVGA, Operation Temp 0 to 50°C

|                 | HORUS220  | HORUS220-L4100G |
|-----------------|---|-----------------|
| CPU             | Intel® 5 <sup>th</sup> & 4 <sup>th</sup> Dual Intel® Xeon® Scalable Processor up to 32 Cores  |                 |
| RAM             | 5 <sup>th</sup> CPU-DDR5 5600MHz RDIMM ECC, up to 1.5TB<br>5 <sup>th</sup> CPU-DDR5 5600MHz RDIMM-3DS(2CH)ECC, up to 2TB<br>5 <sup>th</sup> CPU-DDR5 5600MHz RDIMM-3DS(4CH)ECC, up to 4TB |                 |
| GPU             | N/A   | NVIDIA L4       |
| OCP3.0 NIC      | N/A   | 2x 100G         |
| Expansion       | 1x PCIe5.0 x16 Slot   |                 |
| Storage         | Up to 16TB NVMe   |                 |
| I/O             | 2x RJ45, 6 x USB, 2x DP, 2x 2.5" Swap Tray  |                 |
| Power           | AC-IN 110V~240V   |                 |
| Operation Temp. | 0°C~+50°C   |                 |

## Appearance

### Front I/O



### Rear I/O

