THOR22

Dual Intel® 4th/5th Xeon SP Rugged MXM-GPU Server

7STARLAKE

MIL-STD 810

intel. XEON

- Rugged 2U Server with up to 12 x Hot Swappable HDD tray
- Dual Intel® 4th/5th Xeon® SP Processor
- NVIDIA **MXM GTX-1660S GPU**
- USB3.2 Gen 1*2, USB2.0*2, RS232*1
- 10GbE x 2, IPMI LAN x 1
- 1xVGA
- AC to DC 850W **Redundant** PSU

LAND

SEA

AIR

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1. INTRODUCTION

7starlake's THOR22 rugged MIL server is ideal for use in high and low temperature environments that are subject to shock and vibration. THOR22 is power by Dual Intel 4th /5th Xeon SP Processor and NVIDIA MXM 1660S GPU, delivering an extreme computing performance. Equipping with 2 x 10GbE and 1 x GbE, THOR22 offering high speed rate to transfer data and reduce the latency. It also offers up to 12 x hot swappable SSD tray to ensure persistent data storage. The hot swap SSDs could be swapped easily without having shutting down the system or damaging the data; it's the best choice for tremendous data storage. Features in AC-DC 110-240V 850W redundant power supply, provides a stable and reliable operation, and prevents the server from turning down suddenly to keep the system a long-life span, makes sure the server is ready to go all the times.

2. MAIN FEATURE

- 2 x Intel® 4th/ 5th Xeon® SP Processor
- Up to 2TB Registered ECC LRDIMM, DDR5-5600MT/s.
- 8x Shock Mounted Removable 2.5" Drive Bays
- 4 Fast Storage PCIe 5.0 x4 : 4 x U.2
- **Expansions : MXM-GPU GTX1660S x2**
- 110V-240V AC-DC 850W Redundant Power Supply
- MIL-810 Anti Vibration, Shock
- I/O : 1xVGA, 2x10GbE Ethernet, 1xGbE Ethernet, 2xUSB3.2 Gen 1, 2xUSB2.0, 1xRS232

3. SYSTEM SPEC

System

CPU	Dual Intel® 4th /5th Xeon® SP Processor
Memory type	Up to 2TB Registered ECC RDIMM, DDR5-5600MT/s
GPU	NVidia MXM 1660S GPU

Storage

HDD/SSD	Up to 12x Hot Swappable 2.5" SATA SSD/HDD (Support 0,1,5,10)

Ethernet

Ethernet	10 GbE x 2 + 1GbE x 1

Rear I/O

VGA Output	VGA x 1
COM	1 x RS232
USB 3.0	2 x USB 3.2 Gen1, 2 x USB2.0
LAN	10 GbE x 2 + 1GbE x 1
AC IN	AC IN
POWER BUTTON	1 x Power Button with LED backlight

OS support list

Windows	Windows 10 64bit Enterprise 9, Windows 10 64bit Pro Workstations, Windows 10 IoT 64bit Enterprise, Windows 11 64bit Enterprise (OR001), Windows 11 64bit Pro Workstations (OR001), Windows 11 IoT 64bit Enterprise (OR001), Windows Server 2019 64bit, Windows Server 2022 64bit
Linux	RHEL 8.7 64bit, RHEL 9.1 64bit, Oracle 9.1 64bit, Rocky Linux 8.7 64bit, Rocky Linux 9.1 64bit, SLES 15 SP4 64bit, Ubuntu 22.04.2 64bit Server, Citrix XenServer 8.2.1, VMWare ESXi 7.0u3L x64, VMWare ESXi 8.0x64

ENVIRONMENT

Dimension	437mmx 500mm x 88.1mm (17.2" x 19.6"x 3.47")

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Weight	16 KG
Operating Temp.	0 to 50℃
Storage Temp.	-40℃ to 85℃
Relative Humidity	5% to 95%, non-condensing

4. DIMENSION

437 (17.2")

500mm

88.9 (3.5")

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