

7STARLAKE MILITARY SERVER

Mobile Command Center



GROUND CONTROL STATION FOR LARGE SIZE UAVS *LIQUID COOLING HPC*



HORUS580

Model Name: **HORUS580**

Military Liquid Cooled GPU Server / Hardware Requirement

1. Power supply

MIL-STD-704 Compliant (28V DC nominal) or Redundant AC PSU 100V-240V

2. Processors

- 4th /5th Gen Xeon SP Processor Silver, Gold, Platinum CPUs

3. RAM

- Capacity: 2TB DDR5-5600MT/s RDIMM ECC

4. SSD

- Non-swappable (for OS): M.2 SSD
- Up to 4x Swappable SATA III / U.2 NVMe

5. GPU (Maximum Support GPU Model List)

- 2 x Nvidia A100 (300W)
- 2 x Nvidia A800 (300W)
- 2 x Nvidia L40s (350W)
- 2 x Nvidia H100 PCIe (350W)
- 2 x Nvidia H100 NVL (400W)

6. Rugged Closed Loop Liquid Cooling All in One Solution

7. Heat Exchanger Up to 2000W: 2xCPU(350W), 2xGPU(350W)

8. Ethernet Card

- 2 X Intel XL710-BM1 Based Ethernet Network 10G Quad-Port SFP+

9. MIL-STD-810G Test

Operating Test

MIL-STD-810G Test

Method 502.5, Procedure II (Operation/Low Temperature)

Method 501.5, Procedure II (Operation/High Temperature)

Method 507.5, Procedure II (Temperature & Humidity)

Method 514.6 Vibration Category 24/Non-Operating (Category 20 & 24, Vibration)

Method 516.6 Shock-Procedure V Non-Operating (Mechanical Shock)

Method 516.6 Shock-Procedure I Operating (Mechanical Shock)

Non-Operating Test

Method 502.5, Procedure I (Storage/Low Temperature)

Method 502.5, Procedure II (Operation/Low Temperature)

Method 501.5, Procedure I (Storage/High Temperature)

Method 514.6 Vibration Category 24/Non-Operating (Category 20 & 24, Vibration)

Method 514.6 Vibration Category 20/Operating (Category 20 & 24, Vibration)

Method 516.6 Shock-Procedure V Non-Operating (Mechanical Shock)

Method 516.6 Shock-Procedure I Operating (Mechanical Shock)

Method 509.7 Salt Spray (50±5)g/L

10. Ordering Information

	HORUS580-AC	HORUS580-DC
CPU	Dual 4 th /5 th Gen Xeon SP Processor 32 Cores CPU	Dual 4 th /5 th Gen Xeon SP Processor 32 Cores CPU
RAM	512GB DDR5-5600MT/s RDIMM ECC	512GB DDR5-5600MT/s RDIMM ECC
GPU	2 x NVIDIA A100	2 x NVIDIA A100
NIC	2 x 100G	2 x 100G
Storage	4x Swappable SATA III / U.2 NVMe	4x Swappable SATA III / U.2 NVMe
PSU	Redundant AC PSU 100V-240V	MIL-STD-704 Compliant (28V DC nominal)