



TEC300S



- Ampere® Altra®Q64-22 SoC, 64 cores, 2.2 GHz
- RAM DDR4-3200 MT/s Up to 2 TB
- RTX MXM A1000 GPU (2048 CUDA)
- 2x10G, 1x1G, 1xIPMI, 5xUSB3.0, 1xVGA
- DC-IN 18V~36V

Special Request:

- 2 x 10G SFP+
- AC Power 100V~240V (Option)

Specifications

SYSTEM

CPU	Ampere® Altra® Q64-22 SoC, 64 cores, 2.2 GHz
Memory type	8 x DIMM sockets with individual memory channels Up to 2TB (8 x 256 GB) DDR4 RDIMM memory, up to 3200 MT/s

GPU

Graphics Card	RTX MXM A1000 (2048 CUDA Cores)
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STORAGE

SSD	4 x 2.5" SATA SSD
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ETHERNET

Ethernet	2 RJ45 (10GbE) 1 RJ45 (1GbE) 1 dedicated IPMI
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SIDE I/O

GLAN	1
10 GbE	2
COM	1
IPMI	1
USB3.0	4
VGA	1
DC-IN	1
Power Button	1 x Power Button with LED backlight

OS SUPPORT LIST

OS	Linux RedHat ,Ubuntu
Power Requirement	28V DC-IN (18V-36V)
Dimension	TBD
Weight	10 KG
Operating Temp.	0°C to 60°C
Storage Temp.	-40°C to 85°C
Relative Humidity	5% to 95%, non-condensing

ENVIRONMENTAL

MIL-STD-810 Test	Method 500.5, Procedures I and II (Altitude, Operation): 12,192M, (40,000 ft) for the initial cabin altitude (18.8Kpa or 2.73 Psia) Method 500.5, Procedures III and IV (Altitude, Non-Operation): 15,240, (50,000 ft) for the initial cabin altitude (14.9Kpa or 2.16 Psia) Method 501.5, Procedure I (Storage/High Temperature) Method 501.5, Procedure II (Operation/High Temperature) Method 502.5, Procedure I (Storage/Low Temperature) Method 502.5, Procedure II (Operation/Low Temperature) Method 503.5, Procedure I (Temperature shock) Method 507.5, Procedure II (Temperature & Humidity) Method 509.7 Salt Spray (50±5)g/L 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)
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Reliability	Conduction Cooling. Designed & Manufactured using ISO 9001 Certified Quality Program.
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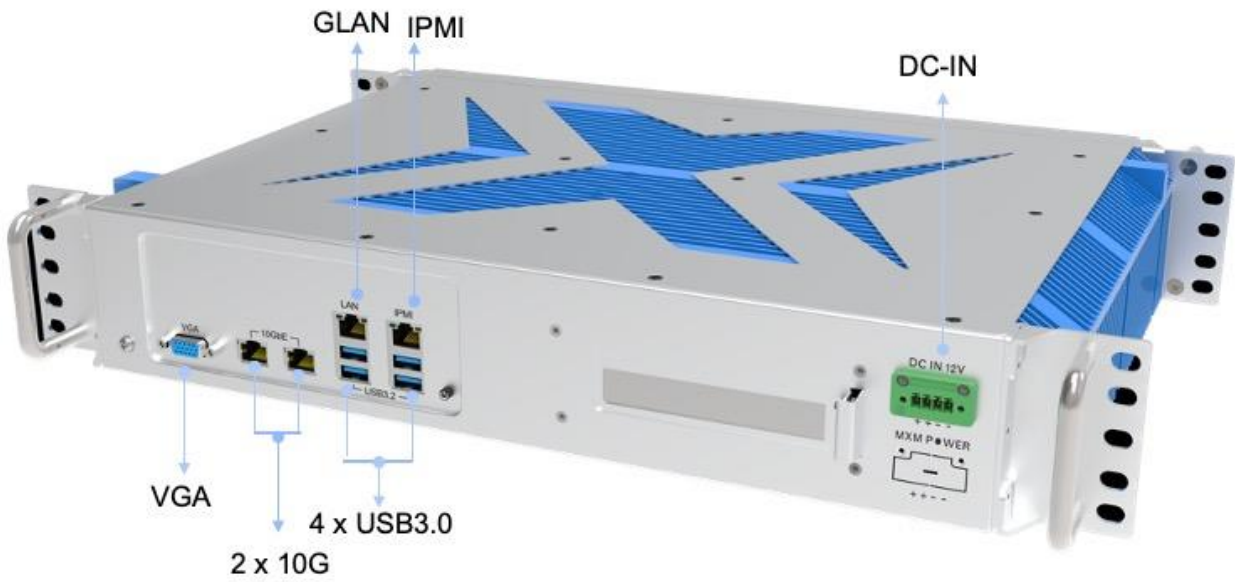
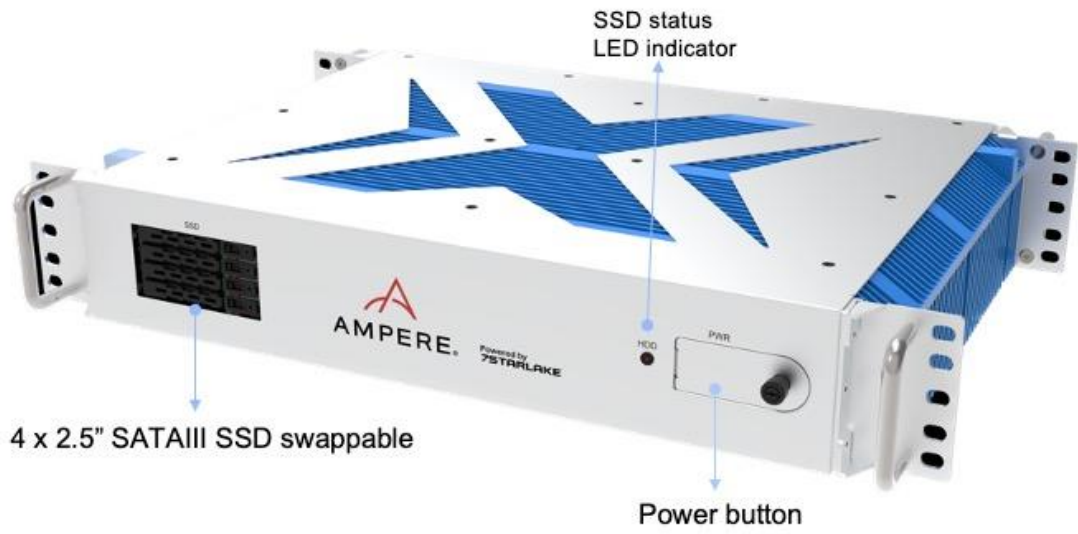
EMC	EN 61000-4-2: Air discharge: 8 kV, Contact discharge: 6kV EN 61000-4-3: 10V/m EN 61000-4-4: Signal and DC-Net: 1 kV EN 61000-4-5: Leads vs. ground potential 1kV, Signal und DC-Net: 0.5 kV
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Ordering Information

	TEC300S	TEC300S-A10R	TEC300S-A20R
CPU	Ampere® Altra® Q64-22 SoC, 64cores, 2.2 GHz	Ampere® Altra® Q64-22 SoC, 64cores, 2.2 GHz	Ampere® Altra® Q64-22 SoC, 64cores, 2.2 GHz
GPU	MXM RTXA1000	MXM RTXA1000	MXM RTXA2000
RAM	Up to DDR4- 2TB	Up to DDR4- 2TB	Up to DDR4- 2TB
Storage	4 x 2.5" SATA SSD	4 x 2.5" SATA SSD	2 x 2.5" U.2
USB3.0	4	4	4
VGA	1	1	1
COM	1	1	1
GLAN	1	1	1
10G LAN	2	2	2
Power	DC 18V~36V	DC 18V~36V	DC 18V~36V
Thermal	Conduction Cooled	Conduction Cooled	Conduction Cooled

	TEC300S-A10A	TEC300S-A20A	TEC300S-A45A
CPU	Ampere® Altra® Q64-22 SoC, 64cores, 2.2 GHz	Ampere® Altra® Q64-22 SoC, 64cores, 2.2 GHz	Ampere® Altra® M128-26 SoC, 128 cores, 2.6 GHz
GPU	MXM RTXA1000	MXM RTXA2000	MXM RTXA4500
RAM	Up to DDR4- 2TB	Up to DDR4- 2TB	Up to DDR4- 2TB
Storage	4 x 2.5" SATA SSD	2 x 2.5" U.2	2 x 2.5" U.2
USB3.0	4	4	4
VGA	1	1	1
COM	1	1	1
GLAN	1	1	1
10G LAN	2	2	2
Power	DC 18V~36V	DC 18V~36V	DC 18V~36V
Thermal	Air Cooled	Air Cooled	Air Cooled

Appearance



Dimension

