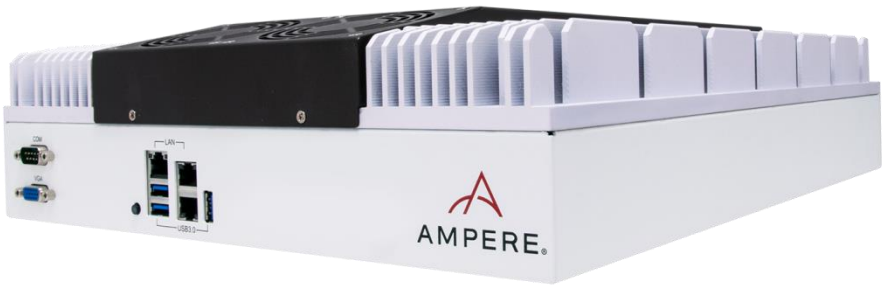
TEC300P-M128



- Ampere® Altra®Max M128-30 SoC, 128 cores, 3.0 GHz, Ampere Altra
- RAM DDR4-3200 MT/s Up to 4TB
- RTX MXM A4500 GPU (5888 CUDA)
- 2x10G ,4xUSB3.0, 1xVGA, 1xCOM, 2x CAN, 4 x DP
- DC-IN 18V~36V

Special Request:

- 2 x 10G SFP+
- AC Power In (Option)

Specifications

System	
CPU	Ampere® Altra® MAX M128-30 SoC, 128 cores, 3.0 GHz, 95W TDP, Ampere Altra
Memory type	16 x DIMM sockets with individual memory channels Up to 4TB (16x 256 GB) DDR4 RDIMM memory, up to 3200 MT/s
GPU	
Graphics Card	RTX MXM A4500 (5888 CUDA Cores)
Storage	
SSD	TBD
Ethernet	
Ethernet	2 x 1 Gigabit Ethernet with RJ45
	2 x 10G SFP+
Side I/O	
RJ45 GLAN	2
10 GbE SFP+	2
COM	1
CAN	2
USB3.0	4
DP	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)
Reliability	Conduction Cooling. Designed & Manufactured using ISO 9001 Certified Quality Program.
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

Ordering Information

	TEC300P-M128	
CPU	Ampere® MAX M128-30	Ampere® MAX M128-28
GPU	MXM RTXA4500	MXM RTXA4500
RAM	Up to DDR4-1.5TB	
USB3.0	4	
VGA	1	
DP	4	
CAN BUS	2	
COM	1	
GLAN	2	
10G SFP+ LAN	2	
Power	DC 18V~36V	

Appearance

Dimension