



LAND



SEA



AIR



# THOR200-118

2U Half Military Switch Server



## FEATURES

- Intel® Ice Lake-D D-2712T Processor
- Up to 256GB Registered ECC RDIMM  
Or Up to 512GB LRDIMM
- 4 x GbE, 2 x 10GbE, 2 x 25GbE
- Compliant with MIL-STD-810, MIL-STD 461
- 18V~36V DC-IN EMI Filter
- Operating temp. -40 to +60°C

# Specifications

## SYSTEM

Processor	Intel® Xeon® D-2712T, 1.9(3.0) GHz, 15MB, 65W, 4C/8T
Memory type	Up to 256GB Registered ECC RDIMM, DDR4-2667MHz; Up to 512GB LRDIMM , DDR4-2667MHz
TPM	Type: TPM 2.0 ; Header & Chip Both
BIOS	AMI UEFI BIOS
Expansion	1 x PCIe 3.0 x 4 Oculink 1 x PCIe 4.0 x 16 Slot 1 x M.2 M-Key 2242/2280 (1 x SATAIII ; 1 x PCIe 3.0 x 4)
USB	4 x USB 3.0, 2 x USB 2.0
COM	1 x RS232/422/485
Ethernet	4 x GbE LAN 2 x 10GbE LAN 2 x 25GbE LAN
Power Type	18V ~ 36V DC IN MIL-STD 461 EMI Filter
Storage	4 x 2.5" U.2 NVMe
Operating Temperature	-40°C to +60°C
Dimension	220mm(W) x 350mm(L)x88mm(H)

## FRONT I/O

IPMI	1
USB3.0	2
GbE	4
10GbE	2
25GbE	2
COM	1 x RS232/422/485
VGA	1
Power Button	1 x W/LED
SSD LED	1
DC-IN	1

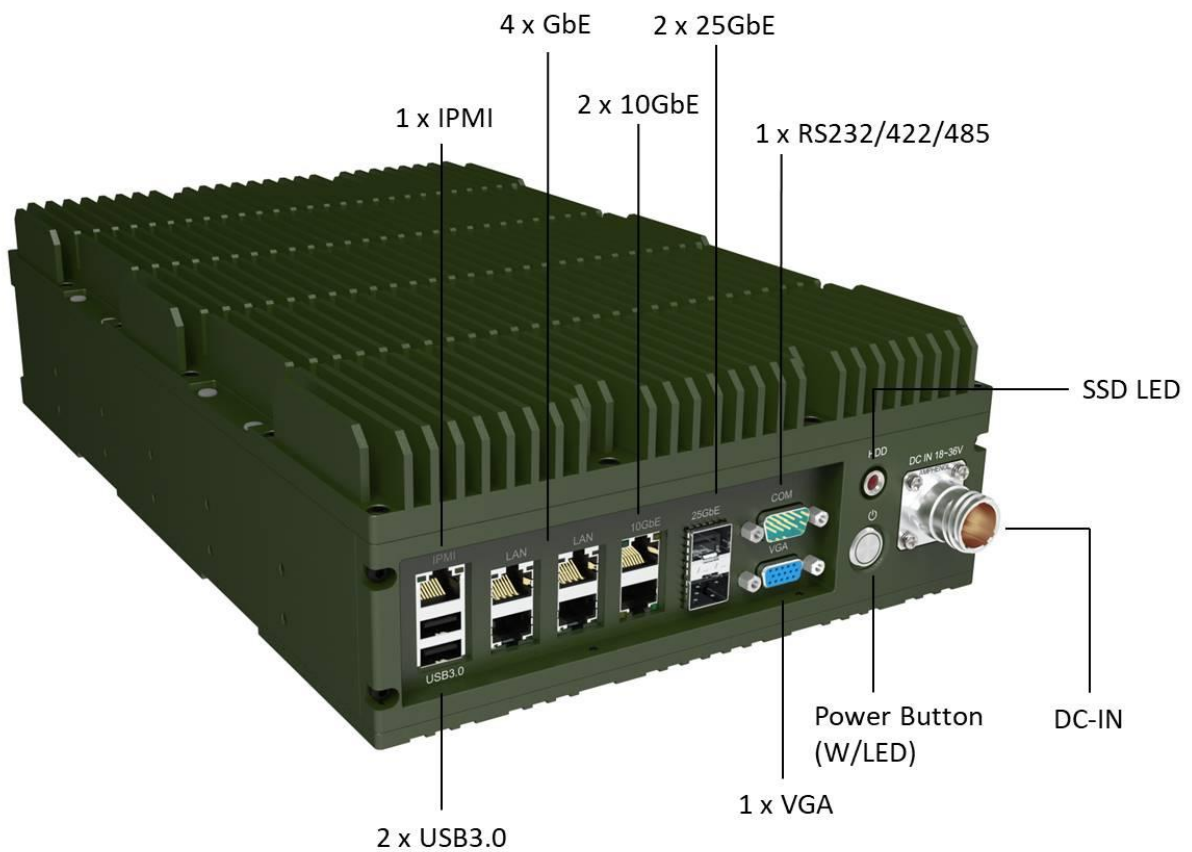
## ENVIRONMENTAL

MIL-STD-810 Test	<p>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)</p> <p>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)</p> <p>Method 501.5, Procedure I (Storage/High Temperature)</p> <p>Method 501.5, Procedure II (Operation/High Temperature)</p> <p>Method 502.5, Procedure I (Storage/Low Temperature)</p> <p>Method 502.5, Procedure II (Operation/Low Temperature)</p> <p>Method 503.5, Procedure I (Temperature shock)</p> <p>Method 507.5, Procedure II (Temperature &amp; Humidity)</p> <p>Method 509.7 Salt Spray (50±5)g/L</p> <p>Method 514.6, Vibration Category 24/Non-Operating (Category 20 &amp; 24,Vibration)</p> <p>Method 514.6, Vibration Category 20/Operating (Category 20 &amp; 24,Vibration)</p> <p>Method 516.6, Shock-Procedure V Non-Operating (Mechanical Shock)</p> <p>Method 516.6, Shock-Procedure I Operating (Mechanical Shock)</p>
Reliability	<p>No Moving Parts; Passive Cooling.</p> <p>Designed &amp; Manufactured using ISO 9001 Certified Quality Program.</p>
MIL-STD-461	<p>CE102 basic curve, 10kHz - 30 MHz</p> <p>CS101, 30 Hz~150 kHz</p> <p>CS114, 10 kHz~200 MHz</p> <p>CS115,50v/m</p> <p>CS116,50v/m</p> <p>RE102 2 MHz -2MHz to 18GHz</p> <p>RS103 2Mhz to 18GHz</p> <p>EN 61000-4-2: Air discharge: 8 kV, Contact discharge: 6kV</p> <p>EN 61000-4-3: 10V/m</p> <p>EN 61000-4-4: Signal and DC-Net: 1 kV</p> <p>EN 61000-4-5: Leads vs. ground potential 1kV, Signal und DC-Net: 0.5 kV</p> <p>CE and FCC</p>
MIL-STD-1275	<p>Steady State –25V~30V,</p> <p>Surge Low – 15V/500ms,</p> <p>Surge High – 100V/500ms</p> <p>Spikes Low -250/70uS</p> <p>Spikes High +250/70uS</p>
Operating Temp	-40°C to +60°C (ambient with air flow)
Storage Temp.	-40°C to +85°C
Relative Humidity	5% to 95%, non-condensing.

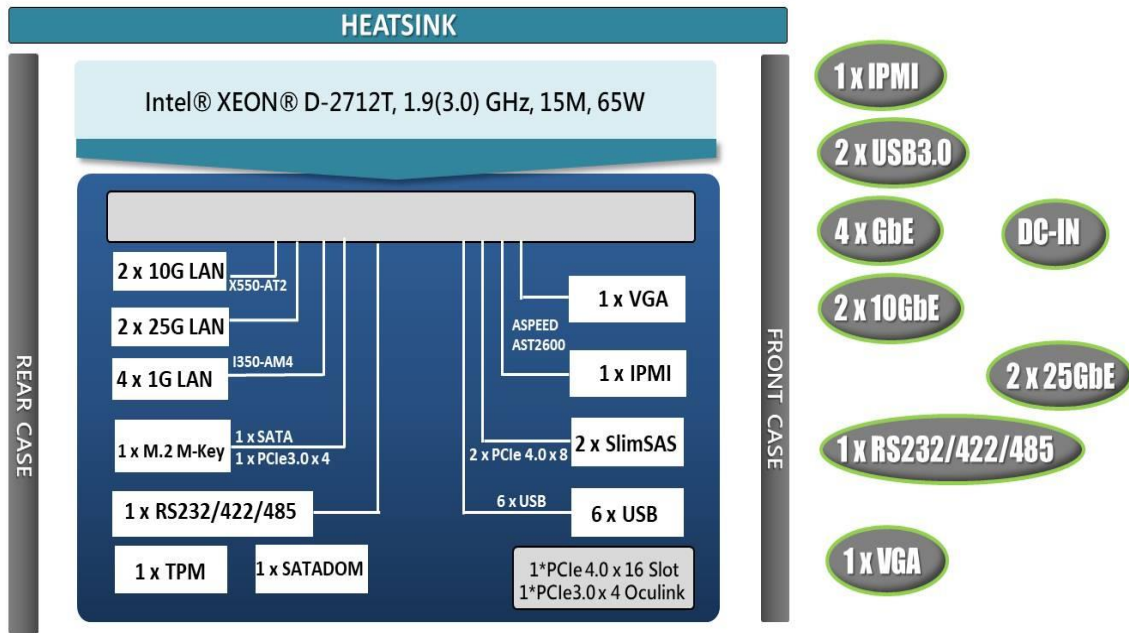
## Ordering Information

	THOR200-N8(New)
<b>CPU</b>	Intel® Xeon® D2712T(4C)
<b>RAM</b>	Up to 256GB Registered ECC RDIMM, DDR4-2667MHz; Up to 512GB LRDIMM , DDR4-2667MHz
<b>RAID</b>	RAID 0/1/5/10
<b>Storage</b>	4 x 2.5" U.2 NVMe
<b>I/O</b>	1 x IPMI
	1 x RS232/422/485
	4 x GbE
	2 x 10GbE
	2 x 25GbE
	1 x VGA
	1 x DC-IN

## Appearance



# Block Diagram



# Dimension

