



7STAR LAKE



THOR100S-X11

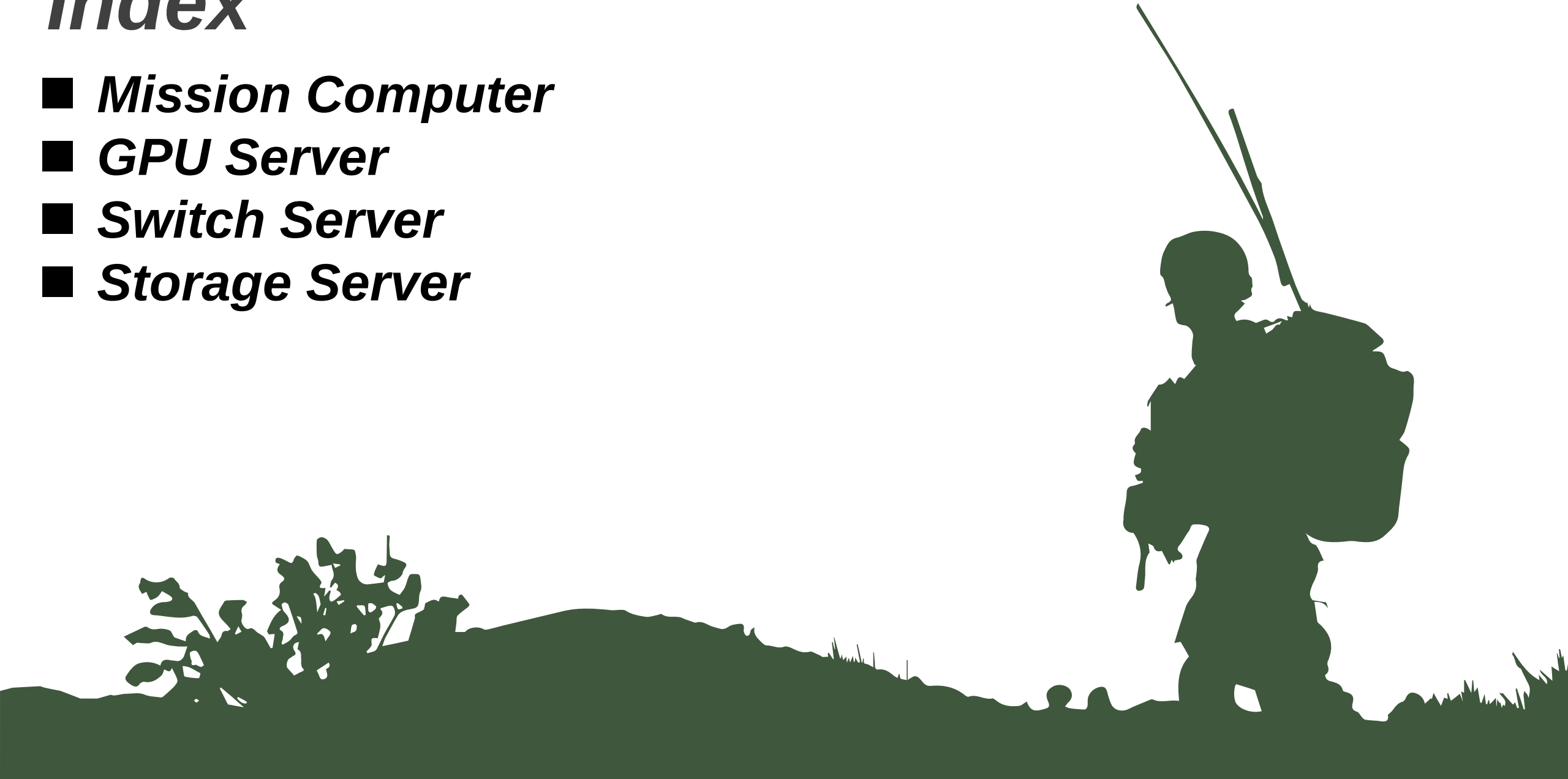


THOR100-X4-D7E

THOR100/200 1U 2U 1/2 Military Computer

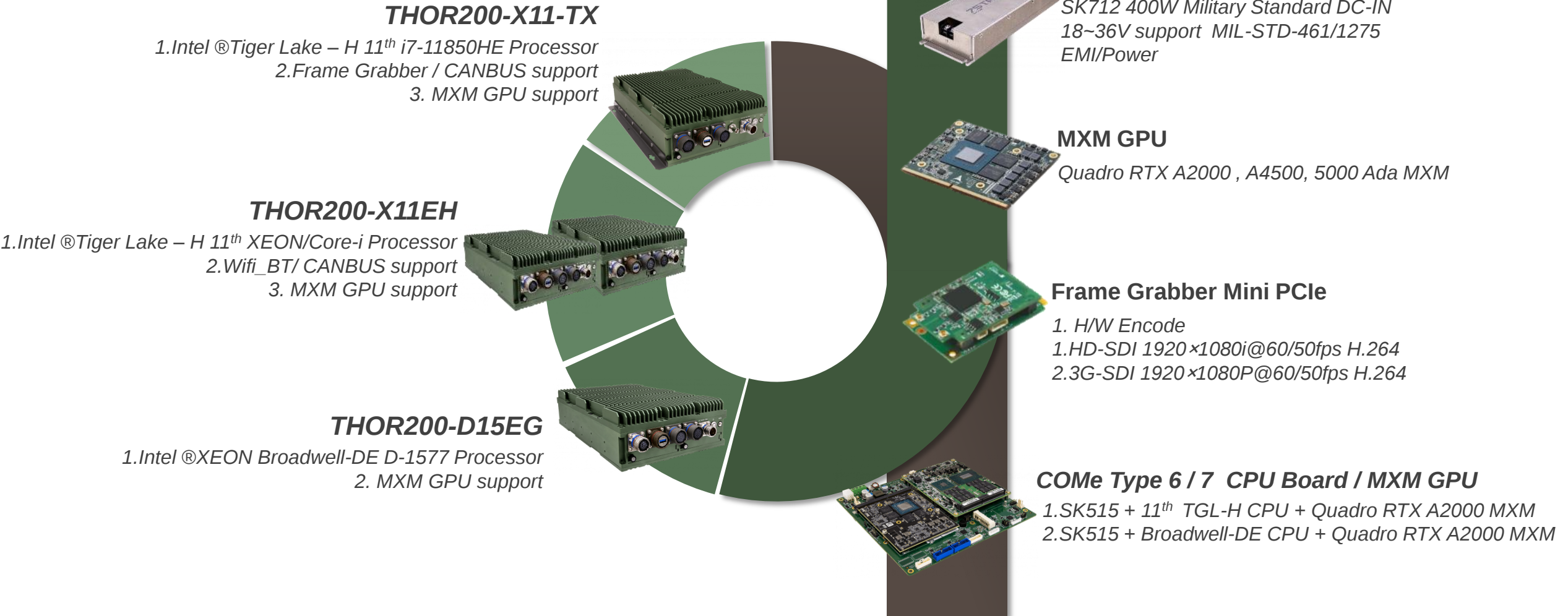
Index

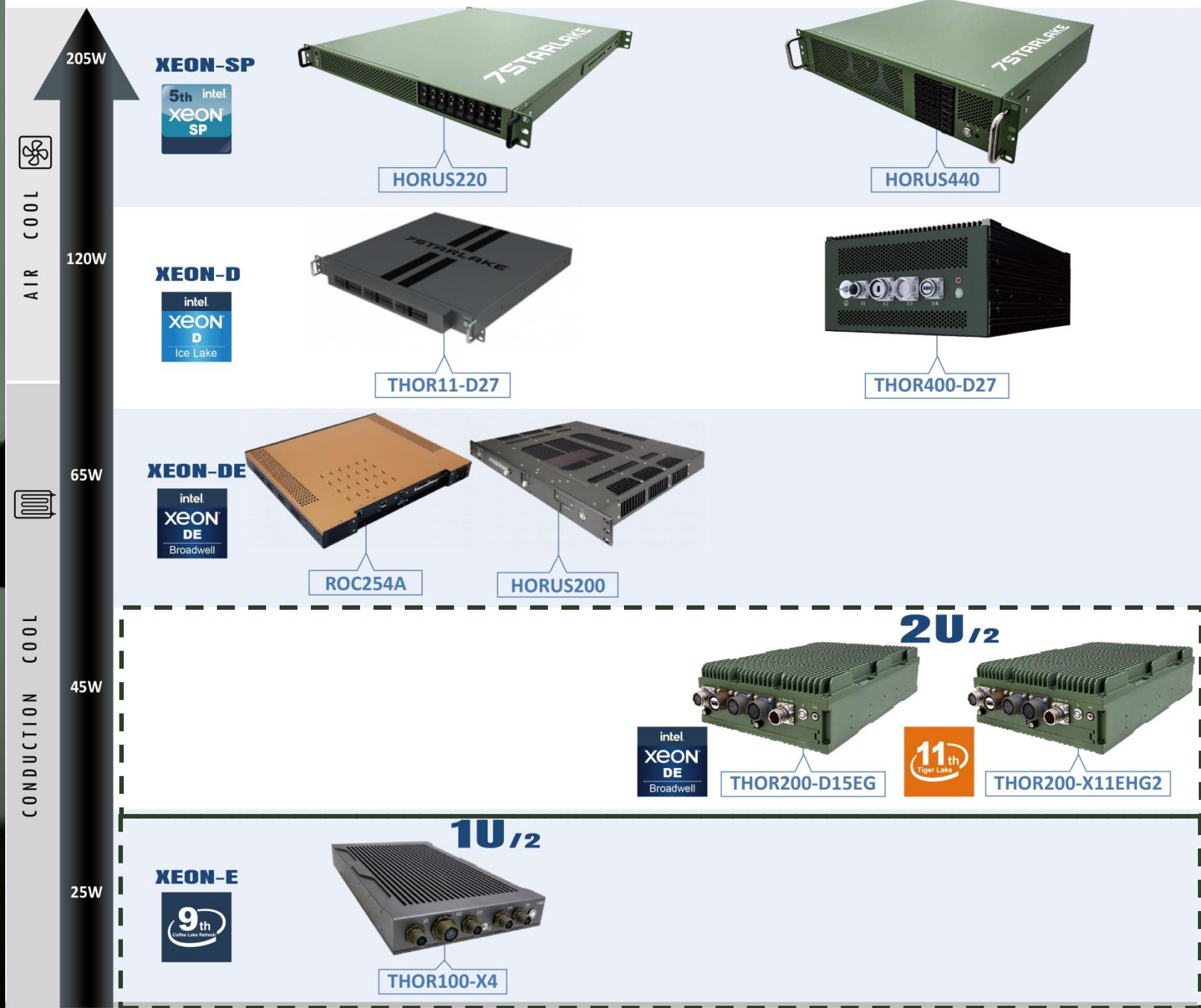
- *Mission Computer*
- *GPU Server*
- *Switch Server*
- *Storage Server*



Integration Concept

Open Modular Architecture







PCI-E



PCI-E



MXM



MXM



SR800-SP



THOR400-D27



HORUS430-X1A45



HORUS430-X2A45



AV1000

2U_{1/2}



THOR200-D15EG



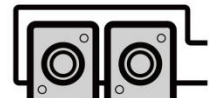
THOR200-X11EHG2



AIR COOL

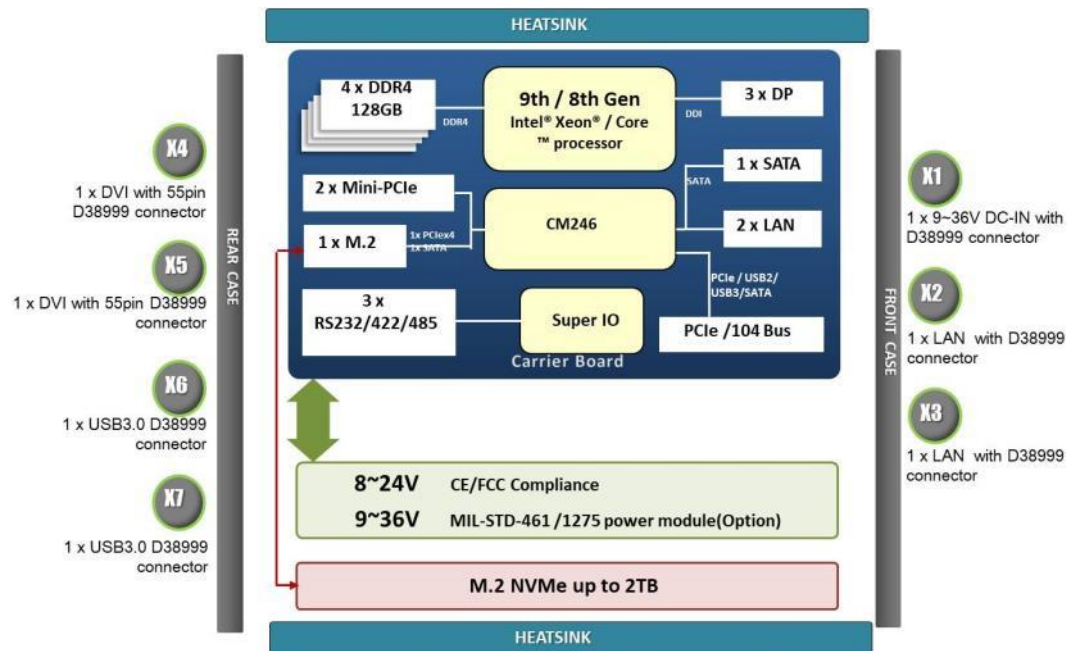


CONDUCTION COOL



LIQUID COOL

THOR100-X4-D7E



System

- ◆ Intel® Coffee Lake-H 9th E-2276ML Processors
- ◆ DDR4 SODIMM up to 128GB
- ◆ 1 x M.2 SATAIII up to 2TB
- ◆ CE/FCC Compliance DC-IN 8~24V
- ◆ MIL-461/1275 18V~36V DC Input (Option)
- ◆ Extended operating temperature: -40°C to 70°C

I/O Interfaces

- ◆ X1 : 1 x MiniDP with D38999 connector
- ◆ X2 : 1 x RS232 with M12 connector
- ◆ X3 : 1 x LAN with M12 connector
- ◆ X4 : 1 x LAN with M12 connector
- ◆ X5 : 2 x USB2.0 with M12 connector
- ◆ X6 : 1 x DC-IN with D38999 connector

THOR100-X4-D10E

DC-IN
Amphenol
TV07RW09-98P

DIO
Amphenol
TV07RW-13-35SD

LAN
Amphenol
TV07RW-9-09S

DVI
Amphenol
TV07RW-13-35S

USB
Amphenol
USB3FTV7AZNF312

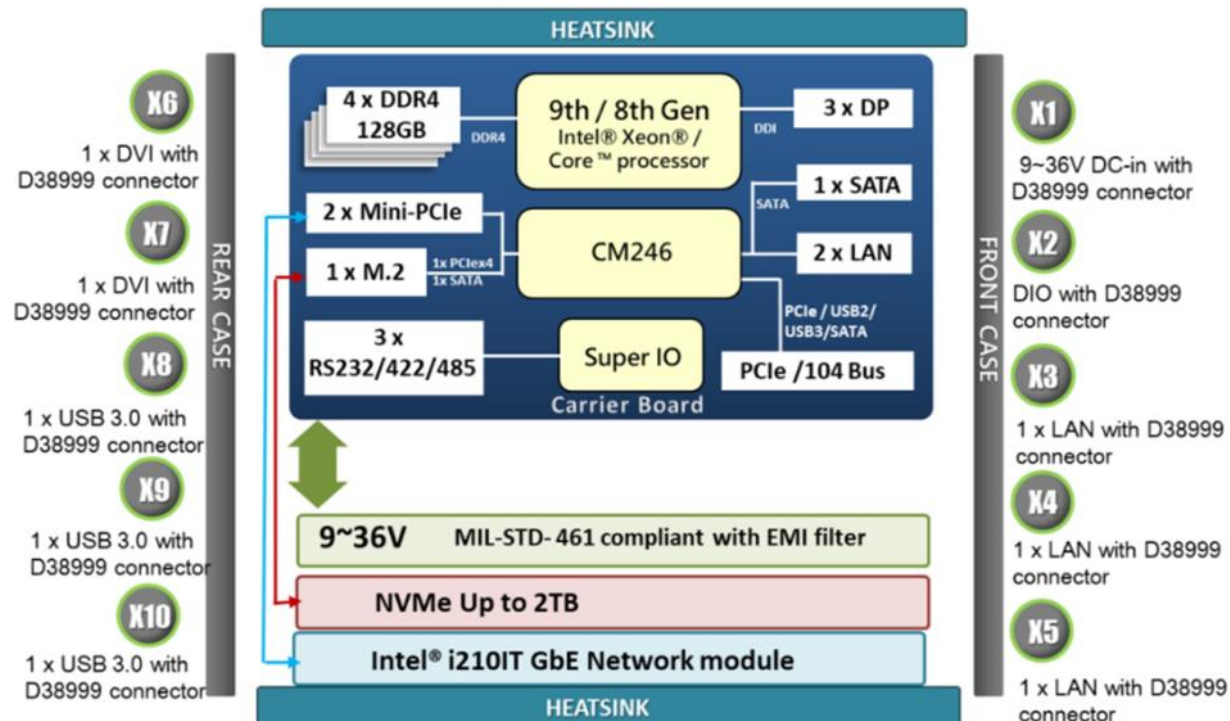


System

- ◆ Intel® Coffee Lake-H 9th E-2276ML Processors
- ◆ DDR4 SODIMM up to 128GB
- ◆ 1 x M.2 NVMe up to 2TB
- ◆ CE/FCC Compliance DC-IN 8~24V
- ◆ MIL-461/1275 18V~36V DC Input (Option)
- ◆ Extended operating temperature: -40°C to 70°C

I/O Interfaces

- ◆ X1 : 1 x MiniDP with D38999 connector
- ◆ X2 : 1 x RS232 with M12 connector
- ◆ X3 : 1 x LAN with M12 connector
- ◆ X4 : 1 x LAN with M12 connector
- ◆ X5 : 2 x USB2.0 with M12 connector
- ◆ X6 : 1 x DC-IN with D38999 connector



THOR100-X11

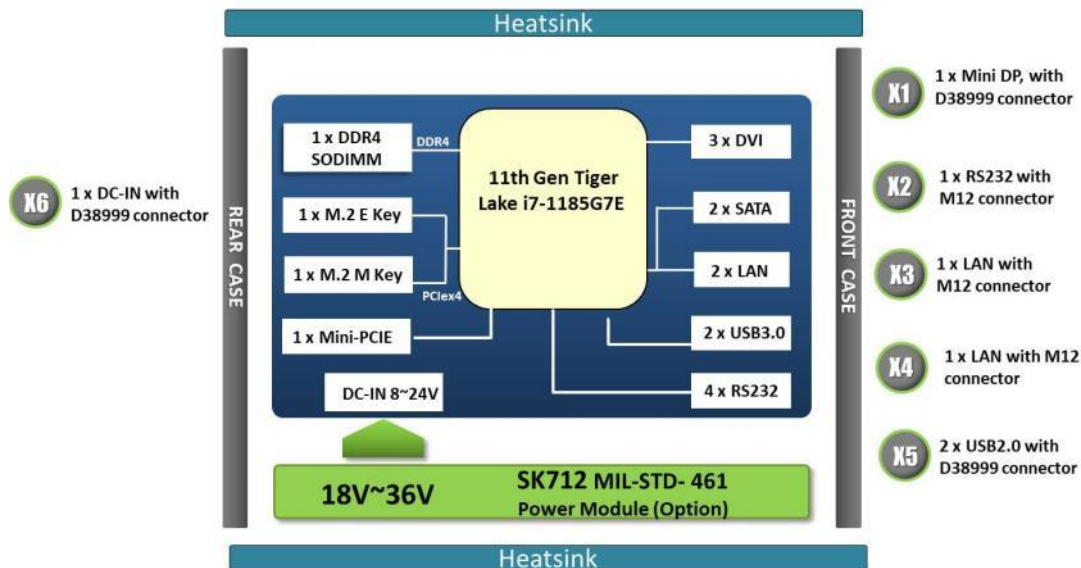


System

- ◆ Intel® Tiger Lake-UP3 11th i7-1185G7E Processors
- ◆ DDR4 SODIMM up to 32GB
- ◆ 1 x M.2 SATAIII up to 2TB
- ◆ CE/FCC Compliance DC-IN 8~24V
- ◆ MIL-461/1275 18V~36V DC Input (Option)
- ◆ Extended operating temperature: -40°C to 70°C

I/O Interfaces

- ◆ X1 : 1 x MiniDP with D38999 connector
- ◆ X2 : 1 x RS232 with M12 connector
- ◆ X3 : 1 x LAN with M12 connector
- ◆ X4 : 1 x LAN with M12 connector
- ◆ X5 : 2 x USB2.0 with M12 connector
- ◆ X6 : 1 x DC-IN with D38999 connector



THOR100-X11

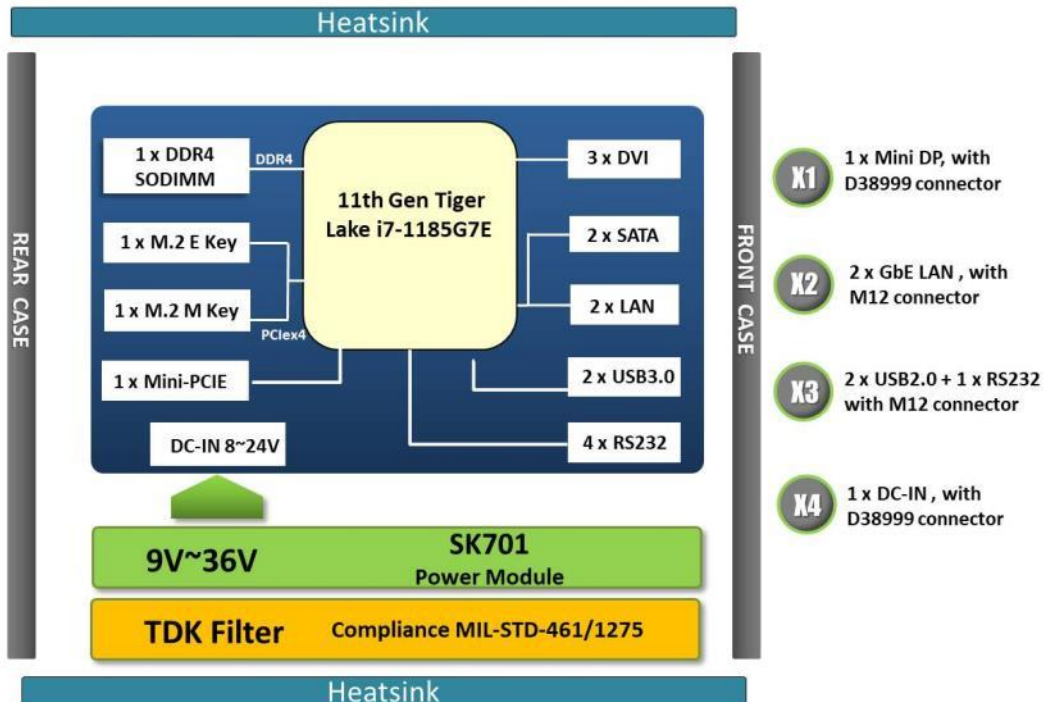


System

- ◆ Intel® Tiger Lake-UP3 11th i7-1185G7E Processors
- ◆ DDR4 SODIMM up to 32GB
- ◆ 1 x M.2 SATAIII up to 2TB
- ◆ TDK Filter MIL-461/1275 + 9V~36V DC Input
- ◆ Extended operating temperature: -40°C to 70°C

I/O Interfaces

- ◆ X1 : 1 x MiniDP with D38999 connector
- ◆ X2 : 2 x LAN with M12 connector
- ◆ X3 : 2 x USB2.0 + 1 x RS232 with M12 connector
- ◆ X4 : 1 x DC-IN with D38999 connector





7STAR LAKE



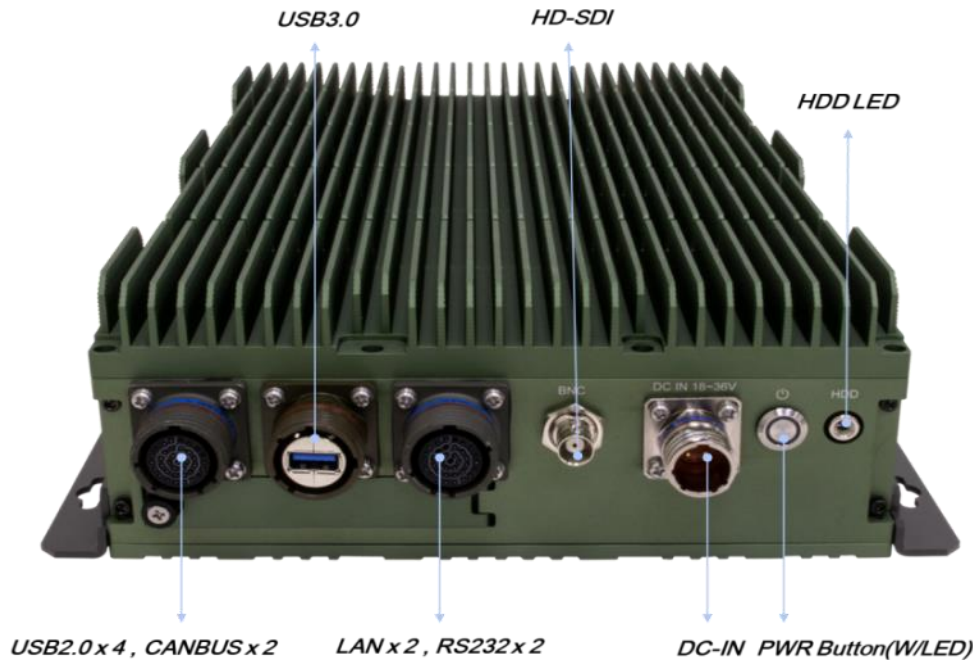
THOR200-X11EH



THOR200-D15EG

THOR200 2U_{1/2} Military Server

THOR200-X11-TH



NVIDIA RTX A2000 MXM



Frame Grabber Mini PCIe
HD-SDI 1920x1080i@60/50fps
3G-SDI 1920x1080P@60/50fps



NVIDIA.
QUADRO®

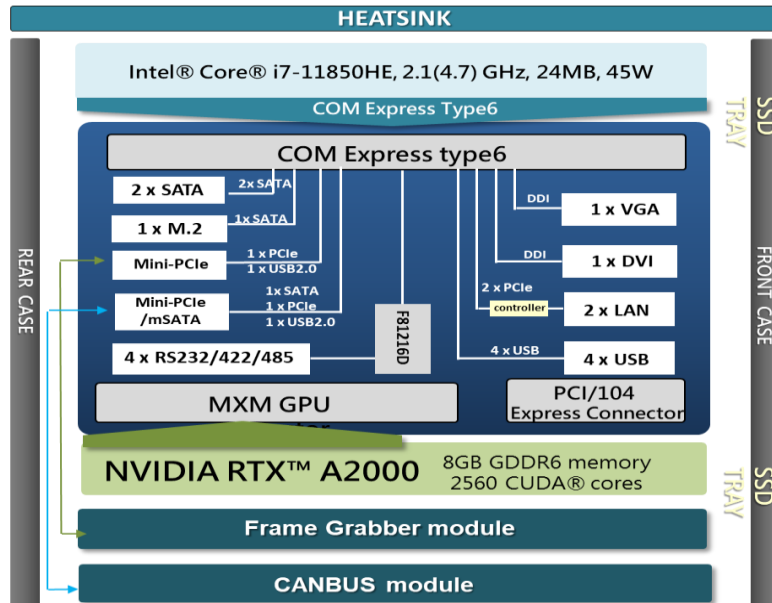


System

- ◆ Intel® Tiger Lake-H 11th i7-11850HE Processors
- ◆ DDR4 SODIMM up to 96GB
- ◆ MIL-461/1275 18V~36V DC Input
- ◆ 2 x 2.5" Easy swap HDD/SSD Tray
- ◆ up to 2 x 2TB Storage
- ◆ NVIDIA RTX A2000 (8GB- GDDR6, 2560 CUDA)
- ◆ 2 x isolated CANBUS 2.0B
- ◆ 1 x single HD-SDI support 1080p60 H.264 H/W Encode

I/O Interfaces

- ◆ X1 : 4 x USB 2.0 with D38999 connector
- ◆ X2 : 4 x USB 2.0 with D38999 connector
- ◆ X3 : 2 x LAN / 2 x RS232 with D38999 connector
- ◆ X4 : 1 x VGA with D38999 connector
- ◆ X5 : 1 x DC-IN with D38999 connector



THOR200-X11EH



NVIDIA RTX A2000 MXM



NVIDIA.
QUADRO®

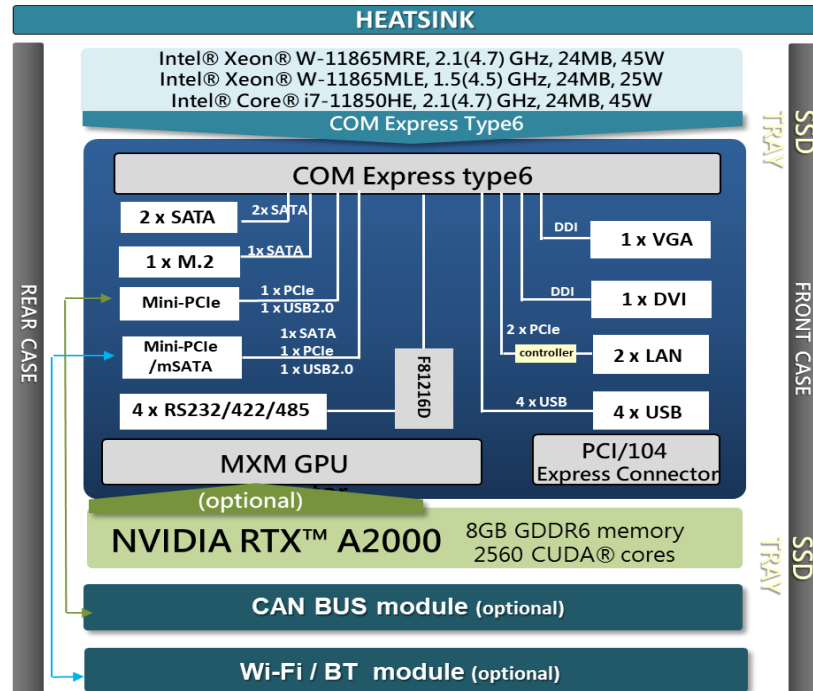


System

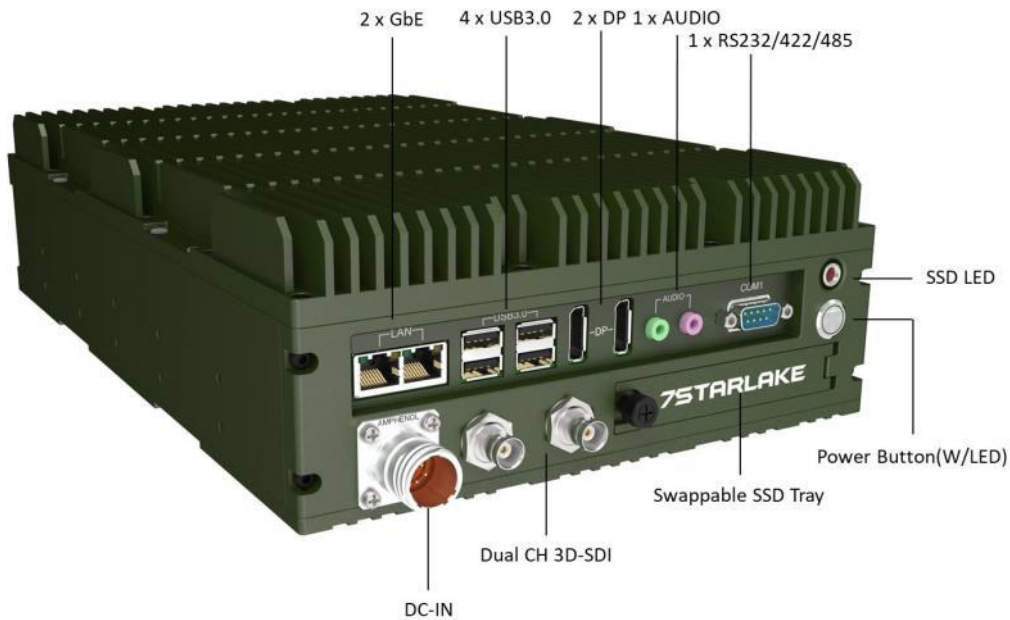
- ◆ Intel® Tiger Lake-H 11th Gen. XEON®/ Core Processors
- ◆ DDR4 SODIMM up to 96GB
- ◆ MIL-461/1275 18V~36V DC Input
- ◆ 2 x 2.5" Easy swap HDD/SSD Tray
- ◆ up to 2 x 2TB Storage
- ◆ NVIDIA RTX A2000 (8GB- GDDR6, 2560 CUDA)(Optional)
- ◆ CANBUS Module support(Optional)
- ◆ Wi-Fi/BT Module Support(Optional)

I/O Interfaces

- ◆ X1 : 4 x USB 2.0 with D38999 connector
- ◆ X2 : 1 x USB 3.0 with D38999 connector
- ◆ X3 : 2 x LAN / 2 x RS232 with D38999 connector
- ◆ X4 : 1 x VGA with D38999 connector
- ◆ X5 : 1 x DC-IN with D38999 connector



THOR200-X11-I2



NVIDIA RTX A2000 MXM

11th
Tiger Lake



NVIDIA
QUADRO®

MIL-STD
810

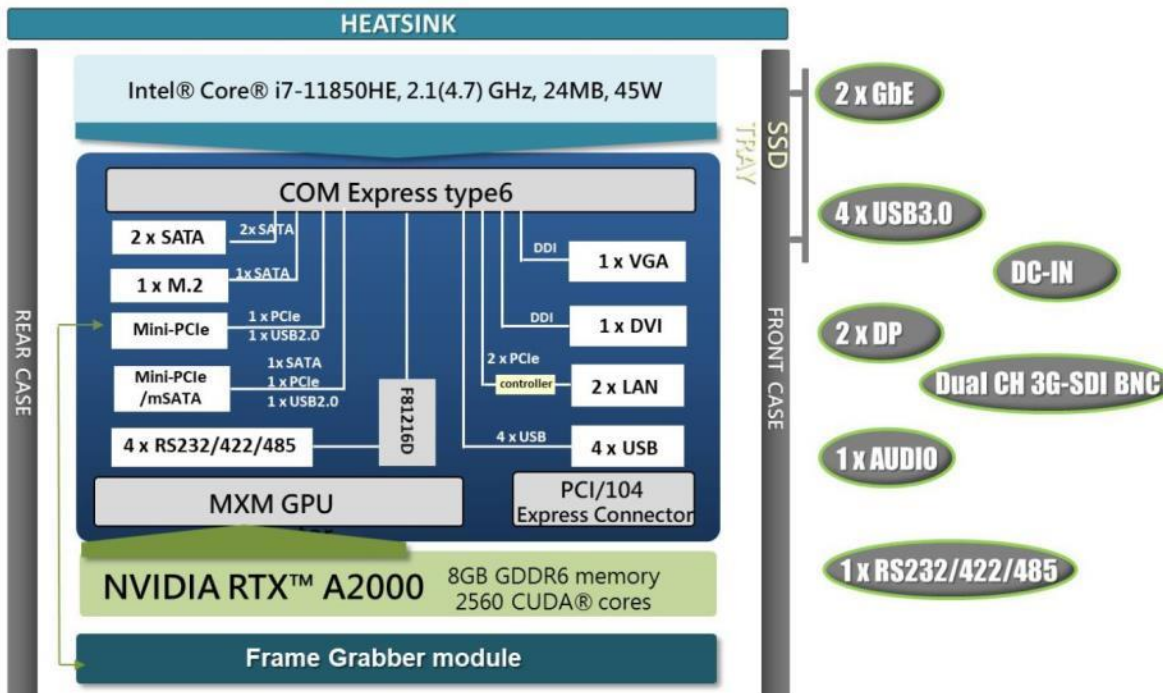
MIL-STD
461/1275

System

- ◆ Intel® Tiger Lake-H 11th i7-11850HE Processors
- ◆ DDR4 SODIMM up to 96GB
- ◆ MIL-461/1275 18V~36V DC Input
- ◆ 1 x 2.5" Easy swap HDD/SSD Tray
- ◆ up to 1 x 4TB Storage
- ◆ NVIDIA RTX A2000 (8GB- GDDR6, 2560 CUDA)

I/O Interfaces

- ◆ 2 x GbE
- ◆ 4 x USB3.0
- ◆ 2 x DP
- ◆ 1 x Line-in / 1 x Mic-out
- ◆ 1 x RS232/422/485
- ◆ 1 x DC-IN with D38999 connector
- ◆ 2 x BNC connector



THOR200-D15EG



NVIDIA RTX A2000 MXM



MIL-STD
810

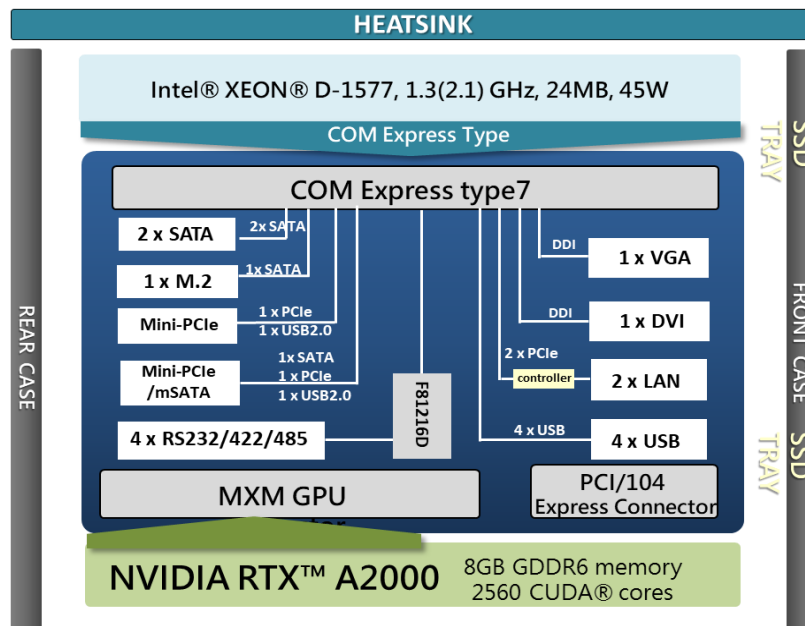
MIL-STD
461/1275

System

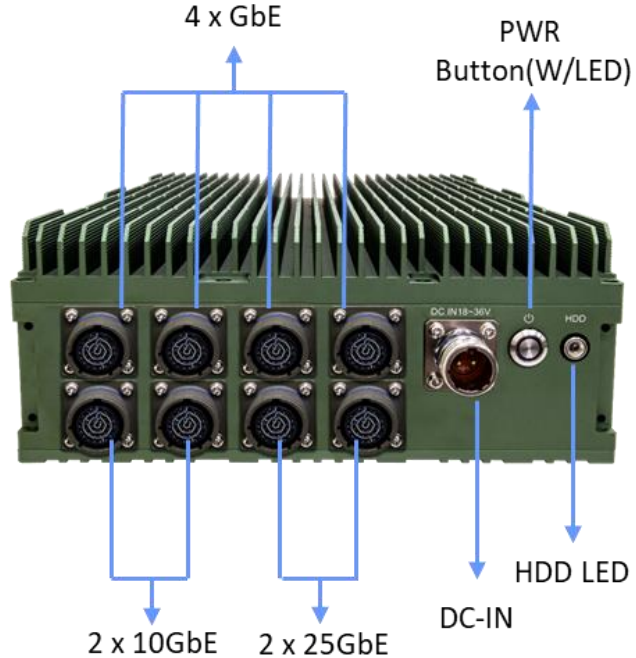
- ◆ Intel® XEON® Broadwell-DE D-1577 Processors
- ◆ DDR4 SODIMM up to 96GB
- ◆ MIL-461/1275 18V~36V DC Input
- ◆ 2 x 2.5" Easy swap HDD/SSD Tray
- ◆ up to 2 x 2TB Storage
- ◆ NVIDIA RTX A2000 (8GB- GDDR6, 2560 CUDA)(Optional)

I/O Interfaces

- ◆ X1 : 4 x USB 2.0 with D38999 connector
- ◆ X2 : 1 x USB 3.0 with D38999 connector
- ◆ X3 : 2 x LAN / 2 x RS232 with D38999 connector
- ◆ X4 : 1 x VGA / DVI with D38999 connector
- ◆ X5 : 1 x DC-IN with D38999 connector



THOR200-N8D



System

- ◆ Intel® XEON® ICE LAKE-D D-2712T Processors
- ◆ DDR4 ECC RDIMM up to 96GB
- ◆ MIL-461/1275 18V~36V DC Input
- ◆ Support 8 x LAN (1G/10G/25G)

I/O Interfaces

- ◆ X1~X4 : 4 x GbE with D38999 connector
- ◆ X5~X6 : 2 x 10GbE with D38999 connector
- ◆ X7~X8 : 2 x 25GbE with D38999 connector
- ◆ X9 : 1 x DC-IN with D38999 connector

HEATSINK

Intel® XEON® D-2712T, 1.9(3.0) GHz, 15M, 65W

2 x 10G LAN

2 x 25G LAN

4 x 1G LAN

1 x M.2 M-Key

1 x RS232/422/485

1 x SATA

1 x PCIe3.0 x 4

I350-AM4

1*PCIe 4.0 x 16 Slot
1*PCIe3.0 x 4 Oculink

ASPEED
AST2600

1 x VGA

1 x IPMI

2 x SlimSAS

6 x USB

X1

X2

X3

X4

X9

1 x DC-IN with
D38999 connector

X5

X6

X7

X8

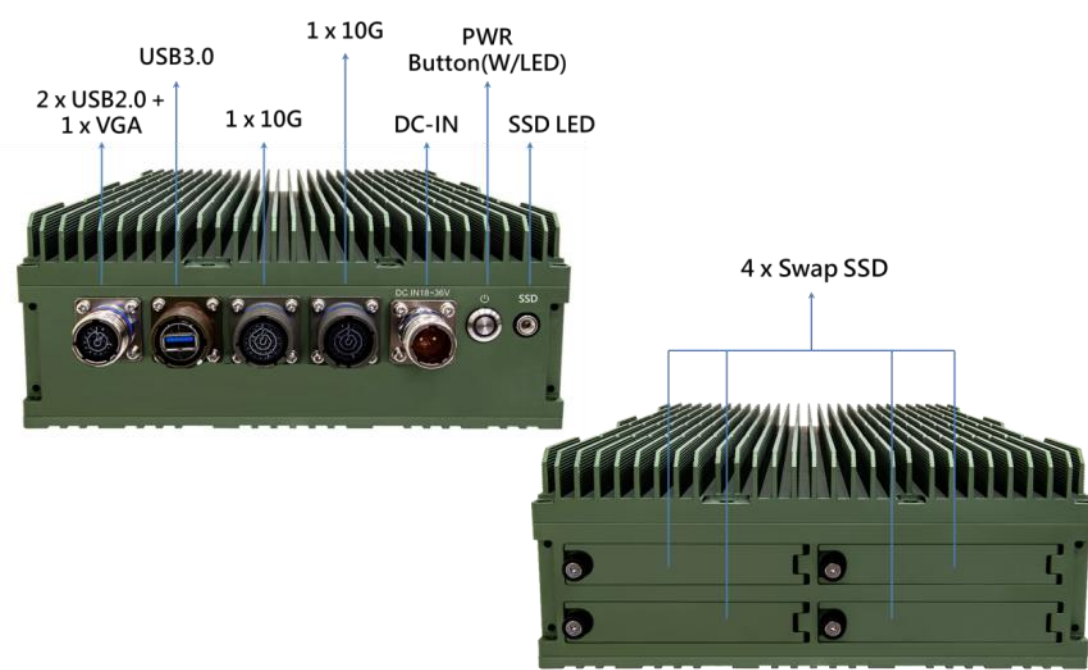
4 x GbE LAN with
D38999 connector

2 x 10GbE LAN with
D38999 connector

FRONT CASE

REAR CASE

THOR200-S4

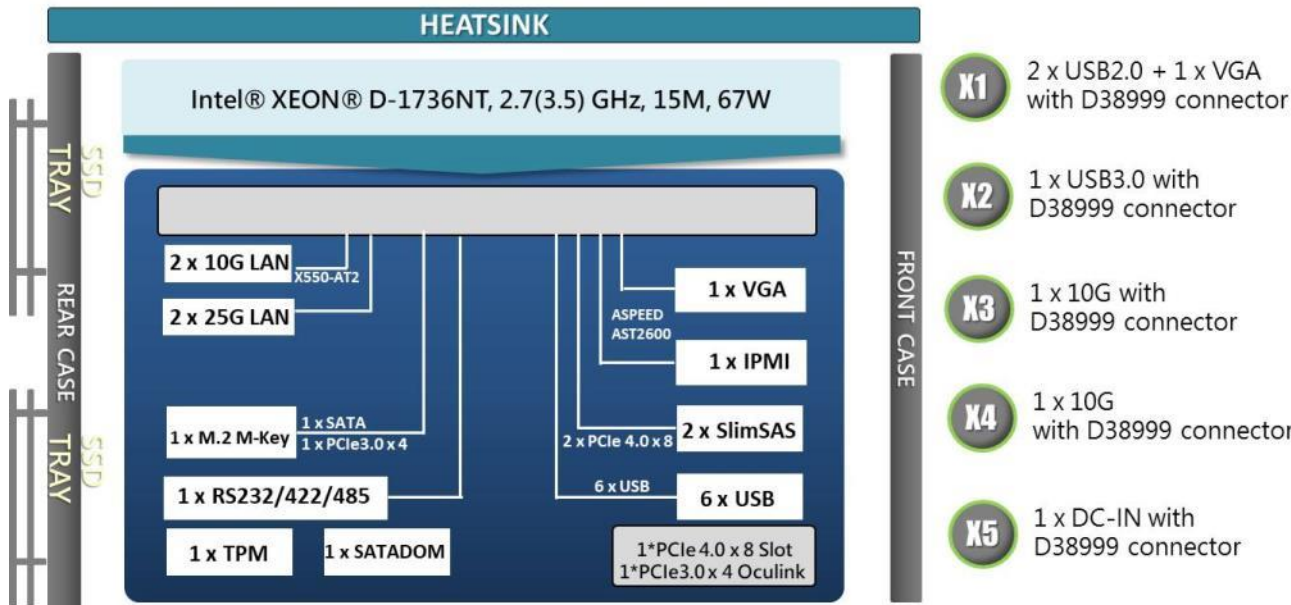


System

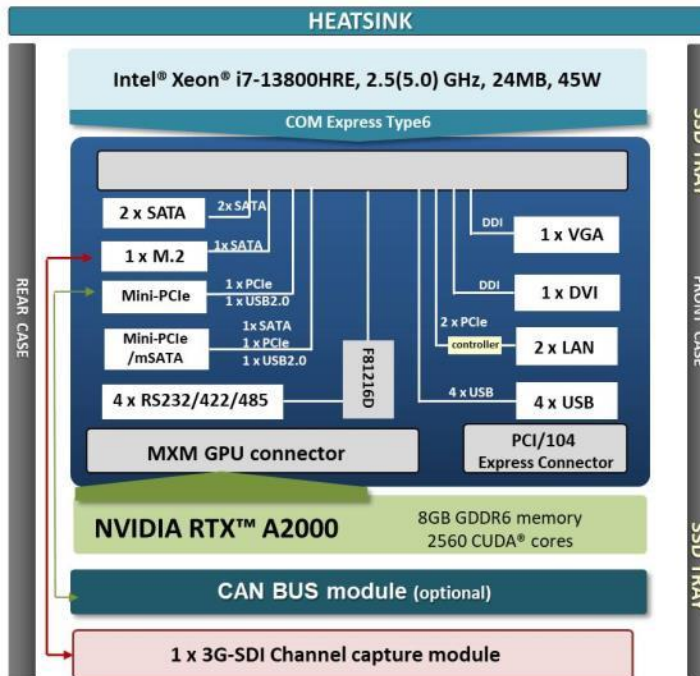
- ◆ Intel® XEON® ICE LAKE-D D-1736NT Processors
- ◆ DDR4 ECC RDIMM up to 128GB
- ◆ MIL-461/1275 18V~36V DC Input
- ◆ 4 x 2.5" Easy swap HDD/SSD Tray
- ◆ up to 2 x 32TB Storage
- ◆ 2 x NVMe U.2 up to 32TB
- ◆ 4 x HD-SDI(Options)

I/O Interfaces

- ◆ X1 : 2 x USB 2.0 + 1 x VGA with D38999 connector
- ◆ X2 : 1 x USB 3.0 with D38999 connector
- ◆ X3 : 1 x 10GbE with D38999 connector
- ◆ X4 : 1 x 10GbE with D38999 connector
- ◆ X5 : 1 x DC-IN with D38999 connector
- ◆ BNC : 4 x HD-SDI(Options)



THOR200-X13



- X1** 2 x 10GbE with D38999 connector
- X2** 1 x USB3.0 with D38999 connector
- X3** 1 x VGA + 2 x RS232 + 2 x CANBUS(Optional) with D38999 connector
- X4** 3G-SDI with BNC connector
- X5** 1 x DC-IN with D38999 connector



NVIDIA RTX A2000 MXM



Frame Gabber Mini PCIe
HD-SDI 1920×1080i@60/50fps
3G-SDI 1920×1080P@60/50fps



NVIDIA.
QUADRO®



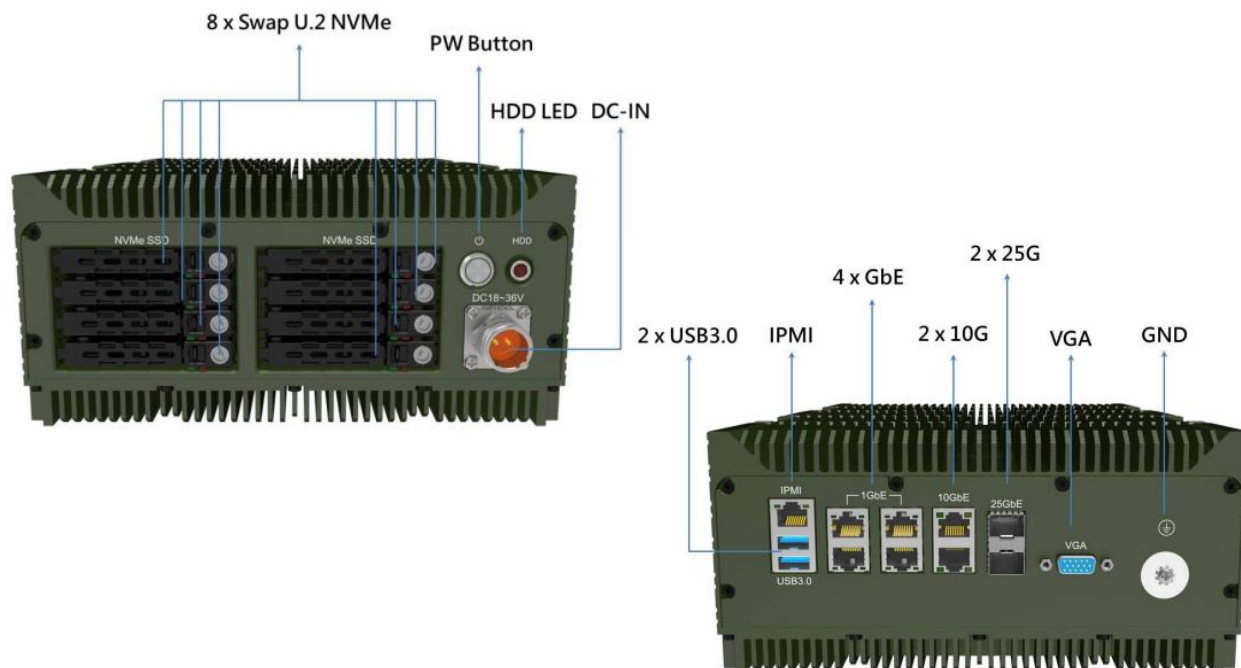
System

- ◆ Intel® Raptor Lake-H 13th i7-13800HRE Processors
- ◆ DDR5 SODIMM up to 64GB
- ◆ MIL-461/1275 18V~36V DC Input
- ◆ 1 x 2.5" Easy swap HDD/SSD Tray
- ◆ up to 2 x 2TB Storage
- ◆ NVIDIA RTX A2000 (8GB- GDDR6, 2560 CUDA)
- ◆ 2 x isolated CANBUS 2.0B
- ◆ 1 x single HD-SDI support 1080p60 H.264 H/W Encode

I/O Interfaces

- ◆ X1 : 2 x 10GbE with D38999 connector
- ◆ X2 : 1 x USB 3.0 with D38999 connector
- ◆ X3 : 1 x VGA + 2 x RS232 + 2 x CANBUS(options)with D38999 connector
- ◆ X4 : 1 x 3D-SDI with BNC connector
- ◆ X5 : 1 x DC-IN with D38999 connector

THOR200-U8

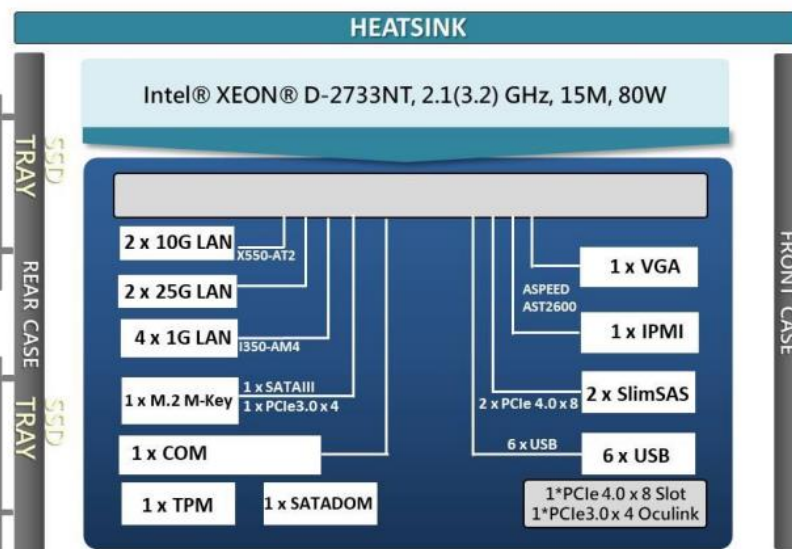


System

- ◆ Intel® Xeon D-2733NT Processors
- ◆ DDR4 RDIMM up to 256GB ; LRDIMM up to 512GB
- ◆ MIL-461/1275 18V~36V DC Input
- ◆ 4 x 2.5" Easy swap NVMe U.2 Tray
- ◆ up to 256TB Storage

I/O Interfaces

- ◆ 4 x GbE
- ◆ 2 x 10GbE
- ◆ 2 x 25GbE SFP28
- ◆ 1 x IPMI
- ◆ 1 x VGA
- ◆ 4 x USB3.0
- ◆ 1 x DC-IN with D38999 connector



USA

France

Korea

Japan

Taiwan

Thank You



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