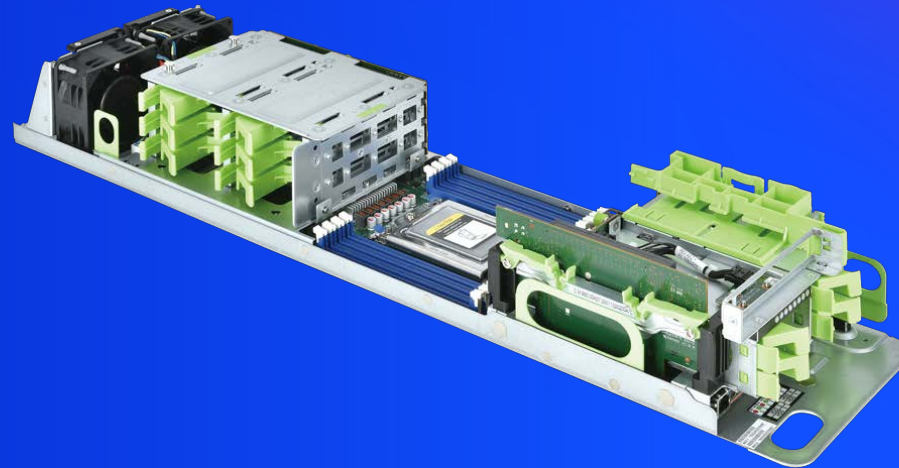




MiTAC AMD ROME 1P OCP Computing Sled

Code Name: Capri



Product Overview

Performance

- 64C/128T CPU support
- 128 PCIe Gen4 Lane

Flexibility and capacity

- Hybrid support on SATA/NVMe drive
- Support up to 10 NVMe 2.5" drive

Easy Maintenance

- Tool less and modularize design

Mass Production: 2020/7/31

AMD 1P OCP Rome MB

■ **Form Factor: OCP**

■ **CPU:**

- Socket Type /Qty: AMD Socket SP3/ (1)
- Support CPU Series: (1) AMD Rome Series Processor
- TDP: up to 225W (SKU dependency)

■ **Memory**

- (8) DDR4 DIMM slots (w/ 8x memory channels)
- Supporting up to 1024GB RDIMM/LRDIMM
- Support ECC RDIMM/LRDIMM 3200

■ **PCI Expansion Slots**

- x32 PCIe 4.0 super slot at front side
- x32 PCIe 4.0 super slot at rear side -> for x6 PCIe Gen4 NVMe SSD
- x16 PCIe 4.0 OCP mezz 2.0 slot for NIC (small form factor)

■ **Network**

- (1) Dedicated BMC port

■ **Storage**

- (1) 22110/2280 M.2 conn to support SATA3/NVMe device

■ **I/O**

- Front I/O: (1) Type A USB 3.0 / (1) Mini HDMI conn for VGA / Type C USB3.0 with UART
- Front Button: (1) PW BTN / (1) RST BTN
- Front LED: (1) PW LED / (1) Error LED / (1) HDD ACT LED / (1) HDD Fault LED – (for rear U.2 NVMe/SATA SSD and M.2 SSD)
- Rear LED

■ **AST2500 Open BMC**

■ **Optional TPM 2.0 for BIOS, TPM 1.2 for BMC**

■ **(2) 6-pin fan connectors**

■ **Power:**

- (1) 4-pin floppy disk power connector for SATA power
- Input: 12VDC press- fit



Single Sled L6 spec.

Advance SKU:

PCI Expansion Slots

- (2) x16 HHHL PCIE Gen 4.0 slot

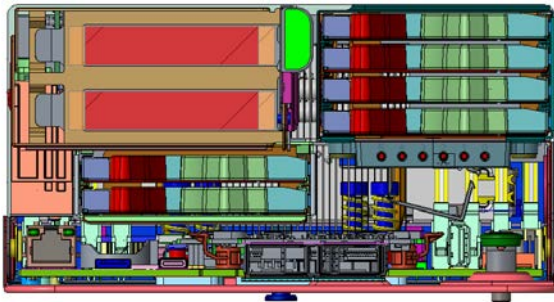
Network

- (1) Support OCP 2.0 NIC Mezz card

Storage

- (1) M.2 (SATA/NVMe)
- (6) SATA3 7mm SSD (cable link)
- Rear: (6) U.2 NVMe

(2) Cooling FAN



Ultra SKU:

PCI Expansion Slots

- 1 FHHL PCIE PCIE Gen 4.0 slot

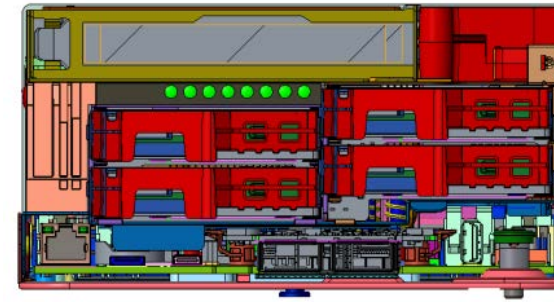
Network

- (1) Support OCP 2.0 NIC Mezz card

Storage

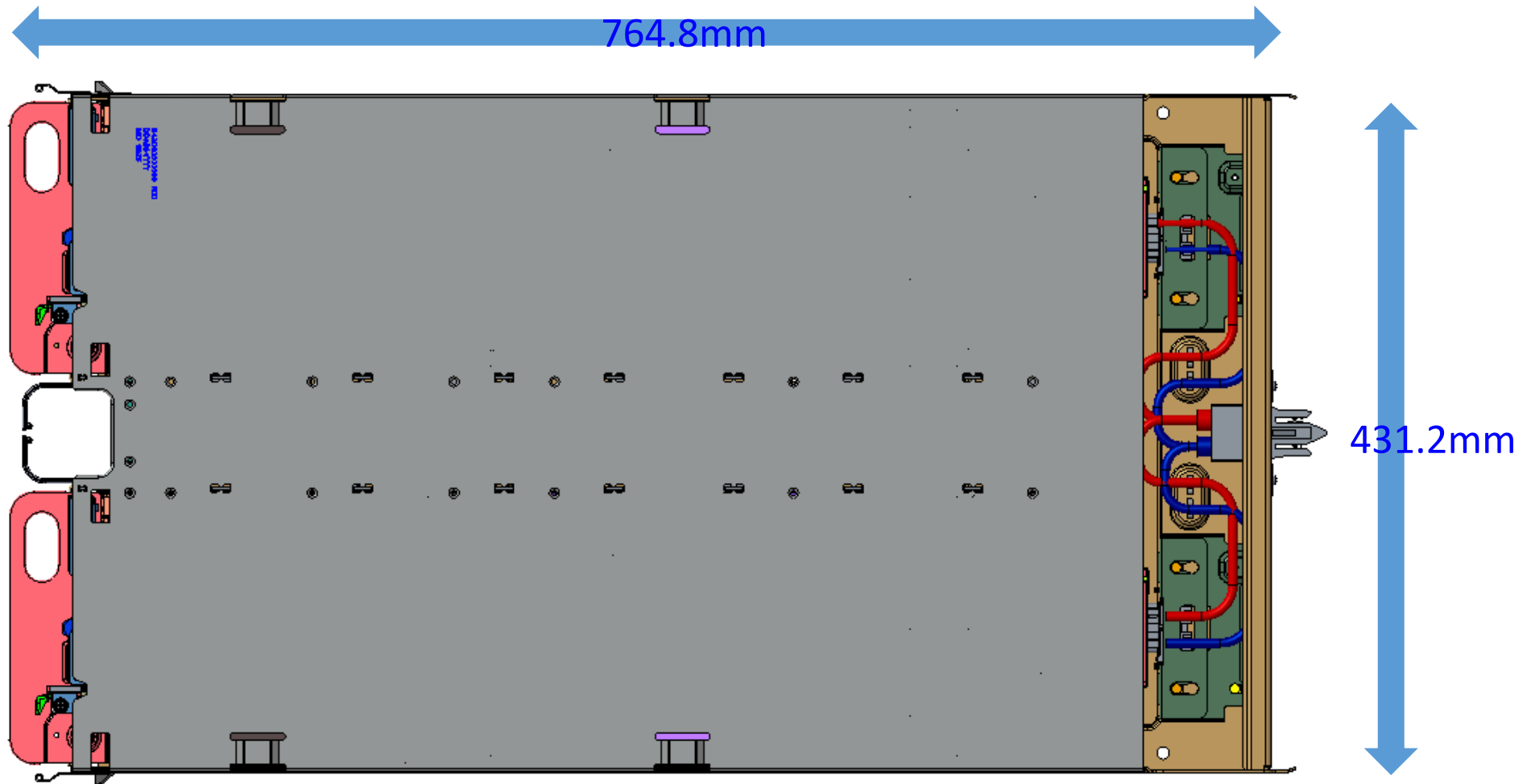
- (1) M.2 (SATA/NVMe)
- (4) External hot swappable 2.5" U.2/SAS3/SATA3 HDD/SSD (link to HBA/RAID card)
- Rear: (6) U.2 NVMe
- Option: (1) SATA3 7mm SSD (limited with Low profile PCIe card or NO PCIe card installed)

(2) Cooling FAN



ME Proposal

19" Shelf w/ Sledx2 Top View



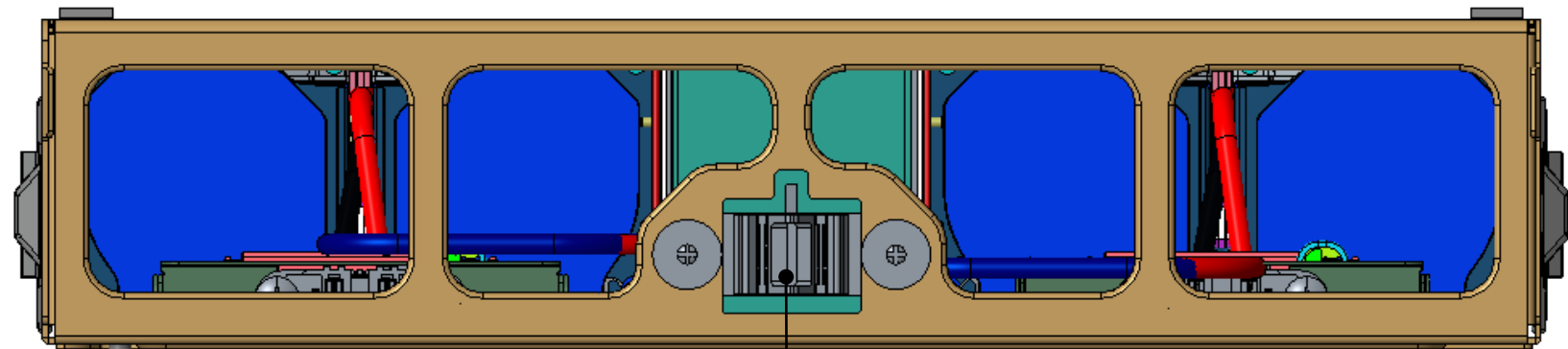
19" Shelf w/ Sled Front / Rear View



Sled

cable clip

Sled



Bus Bar cable

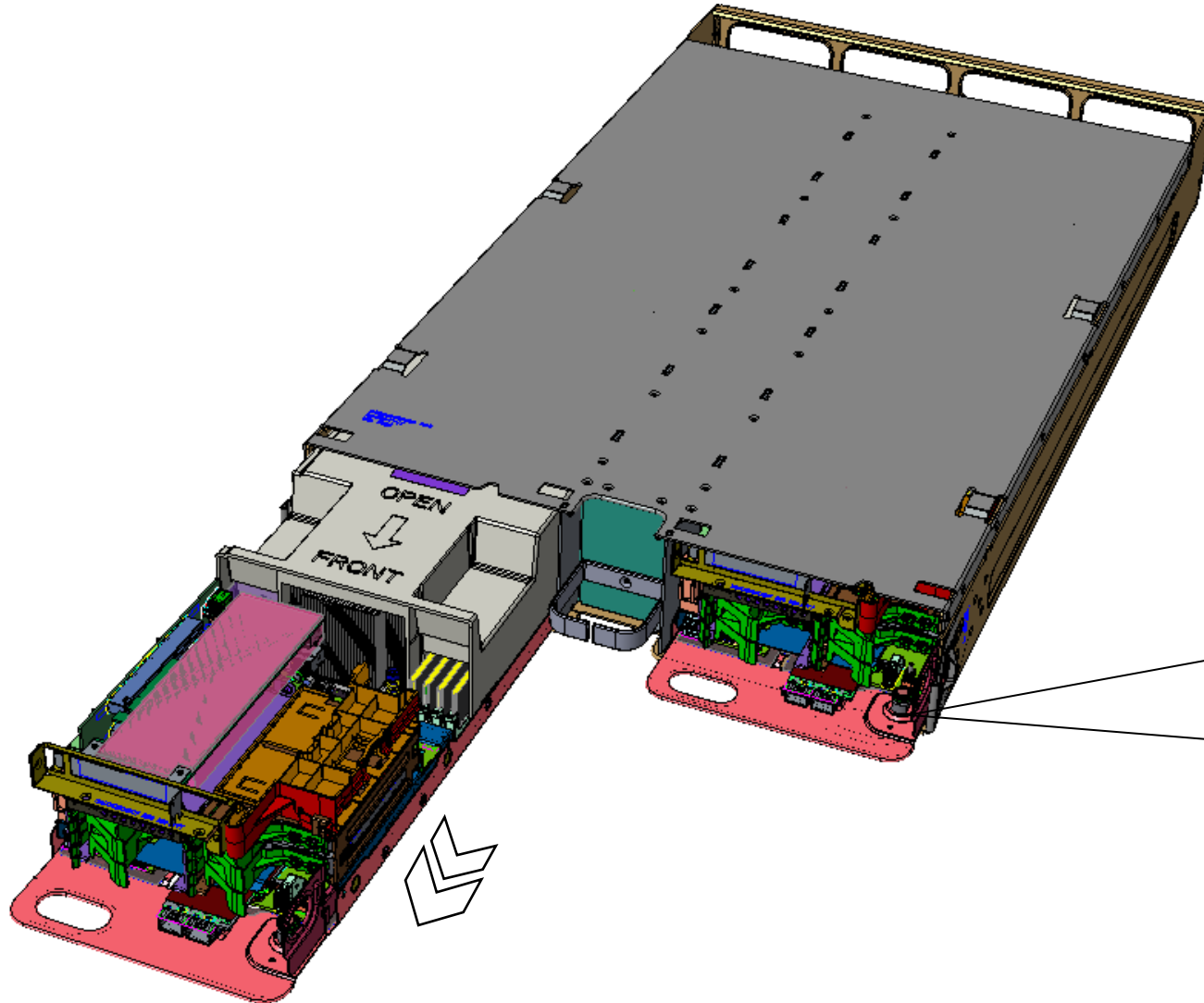
95.2mm



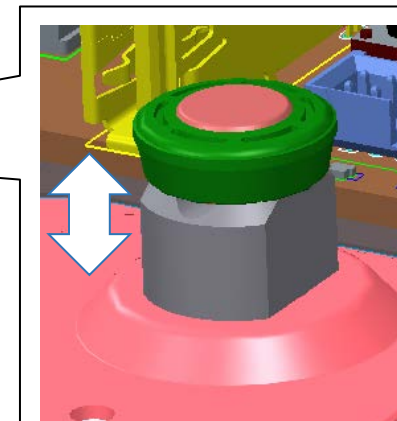
19" Shelf w/ Sled



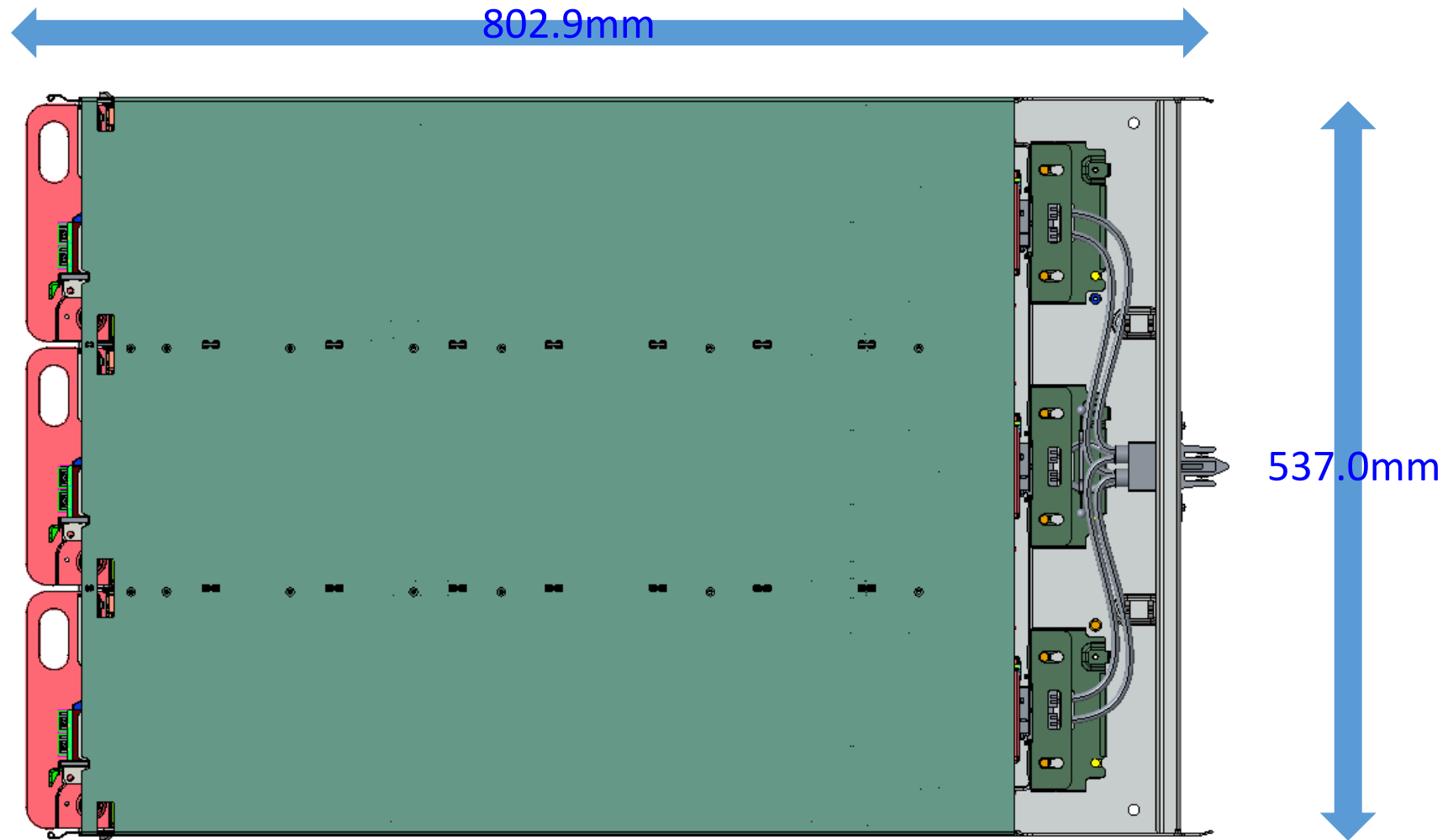
Sled Fit In 19" Shelf ISO View



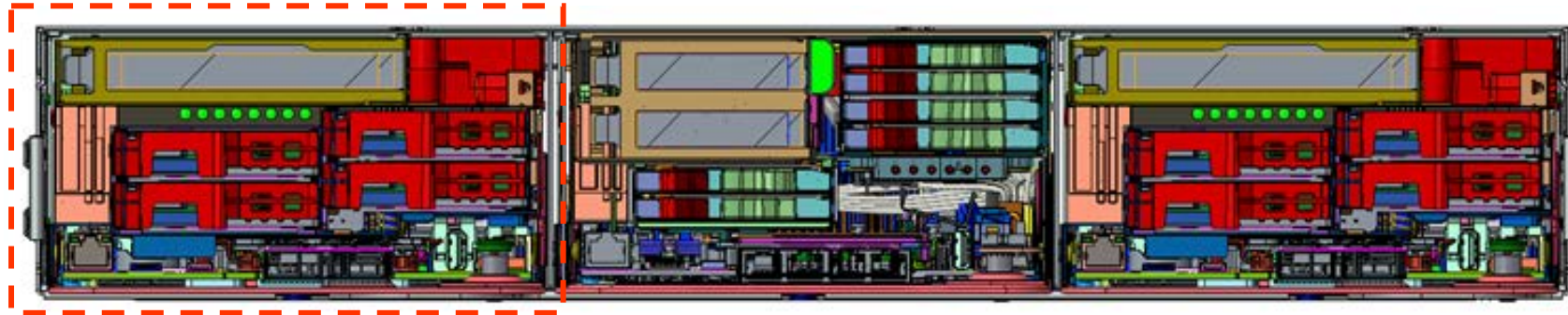
Release the plunger can
locked sled to the shelf



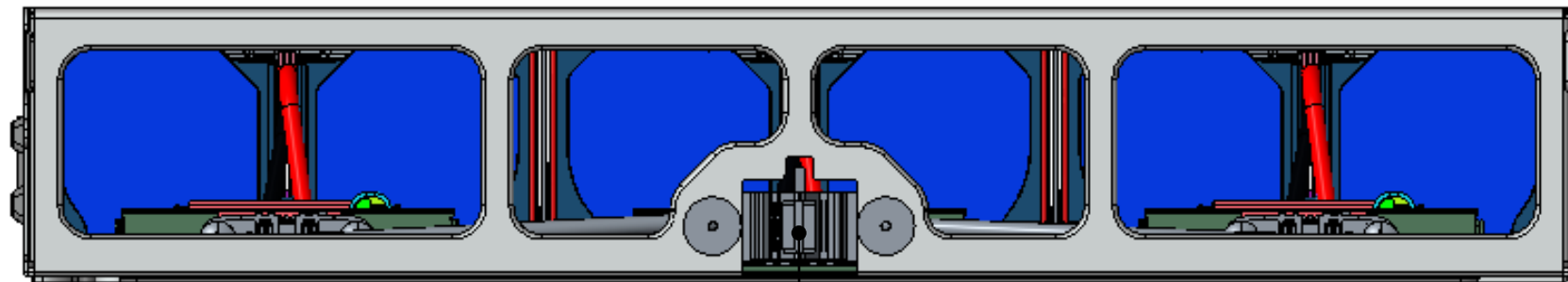
21" Shelf w/ Sledx3 Top View



21" Shelf w/ Sled Front / Rear View



Sledx3

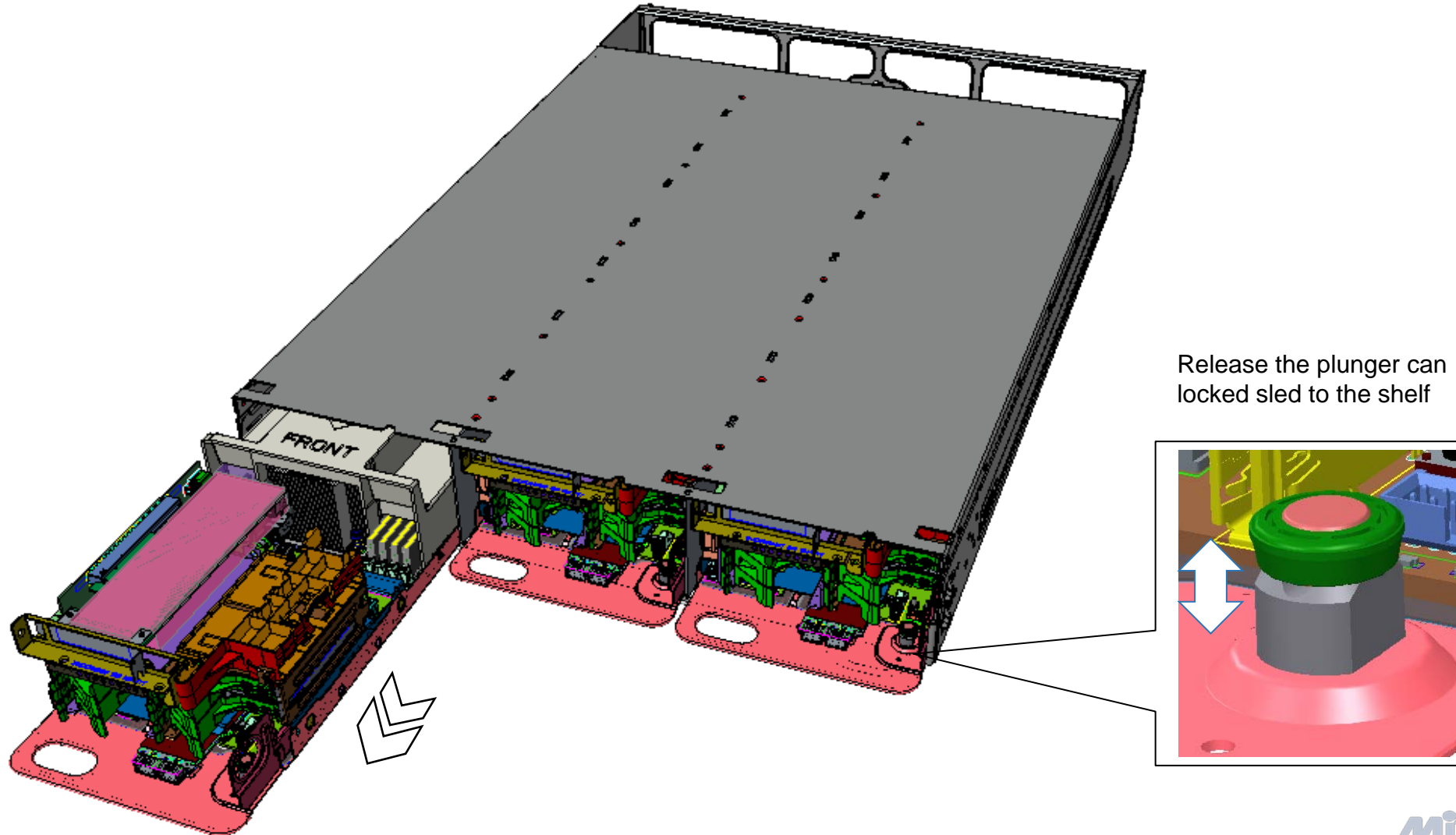


95.2mm

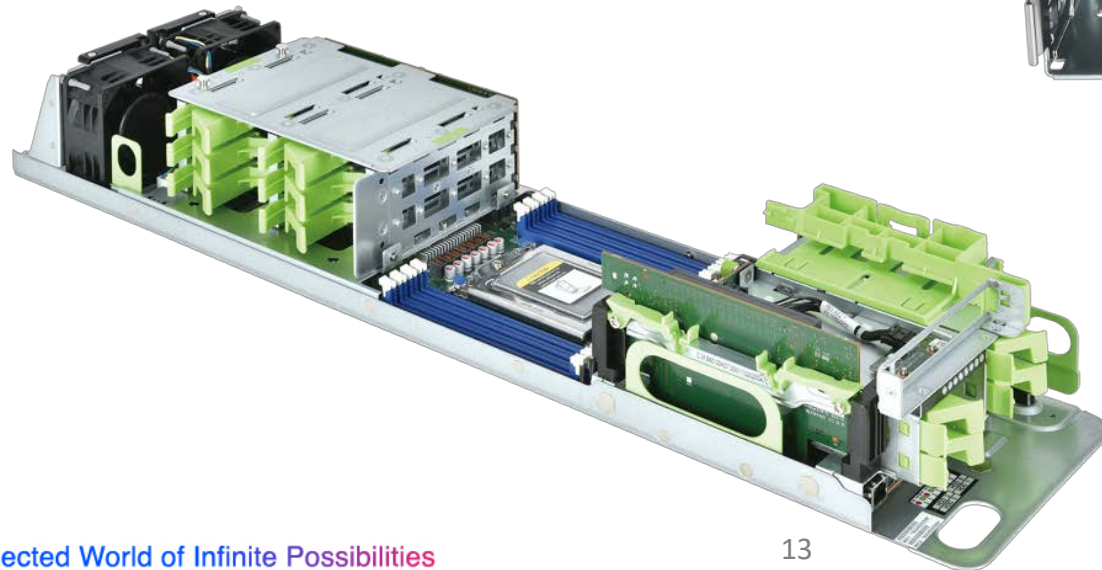
Bus Bar cable



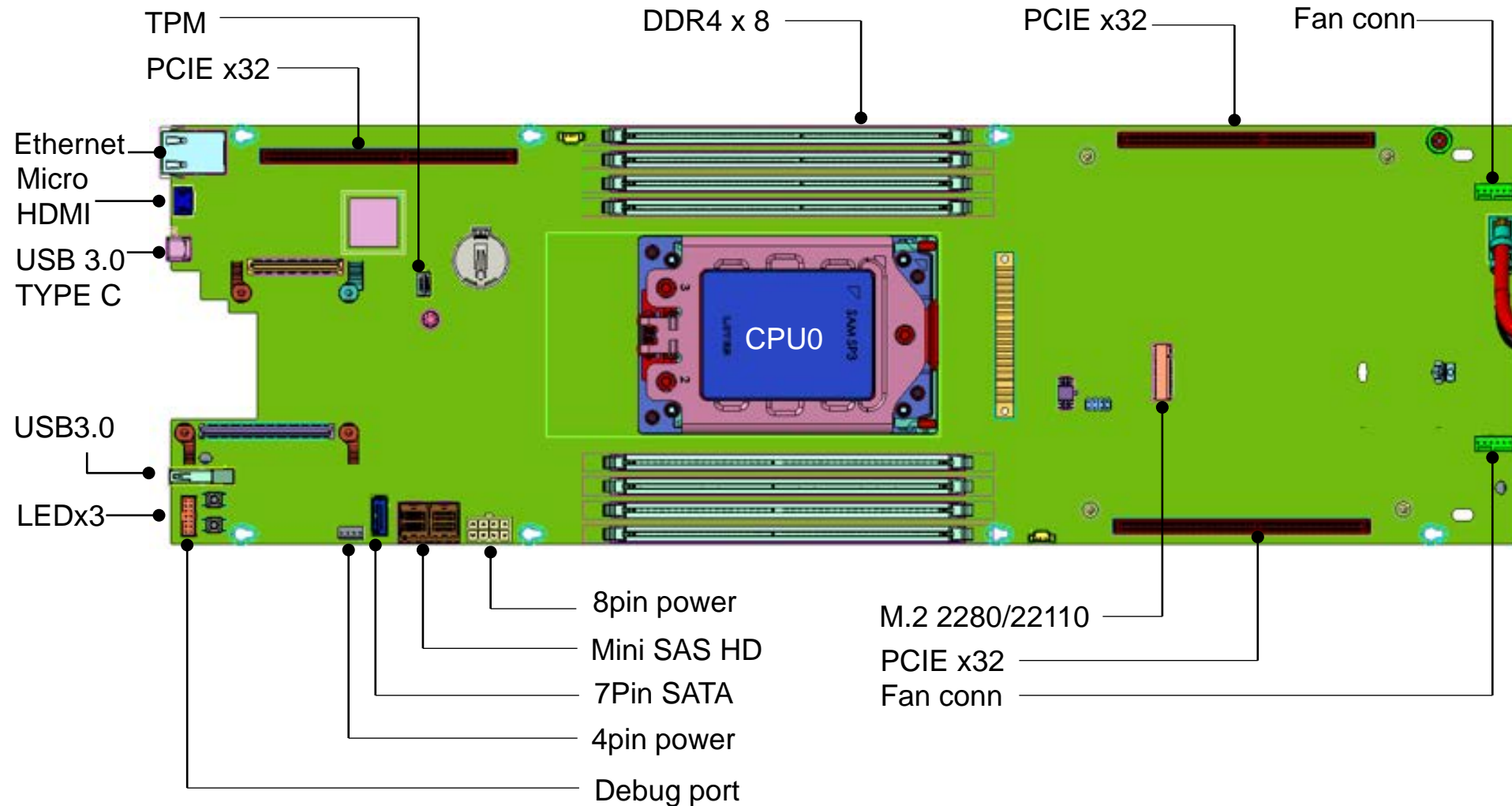
Sled Fit In 21" Shelf ISO View



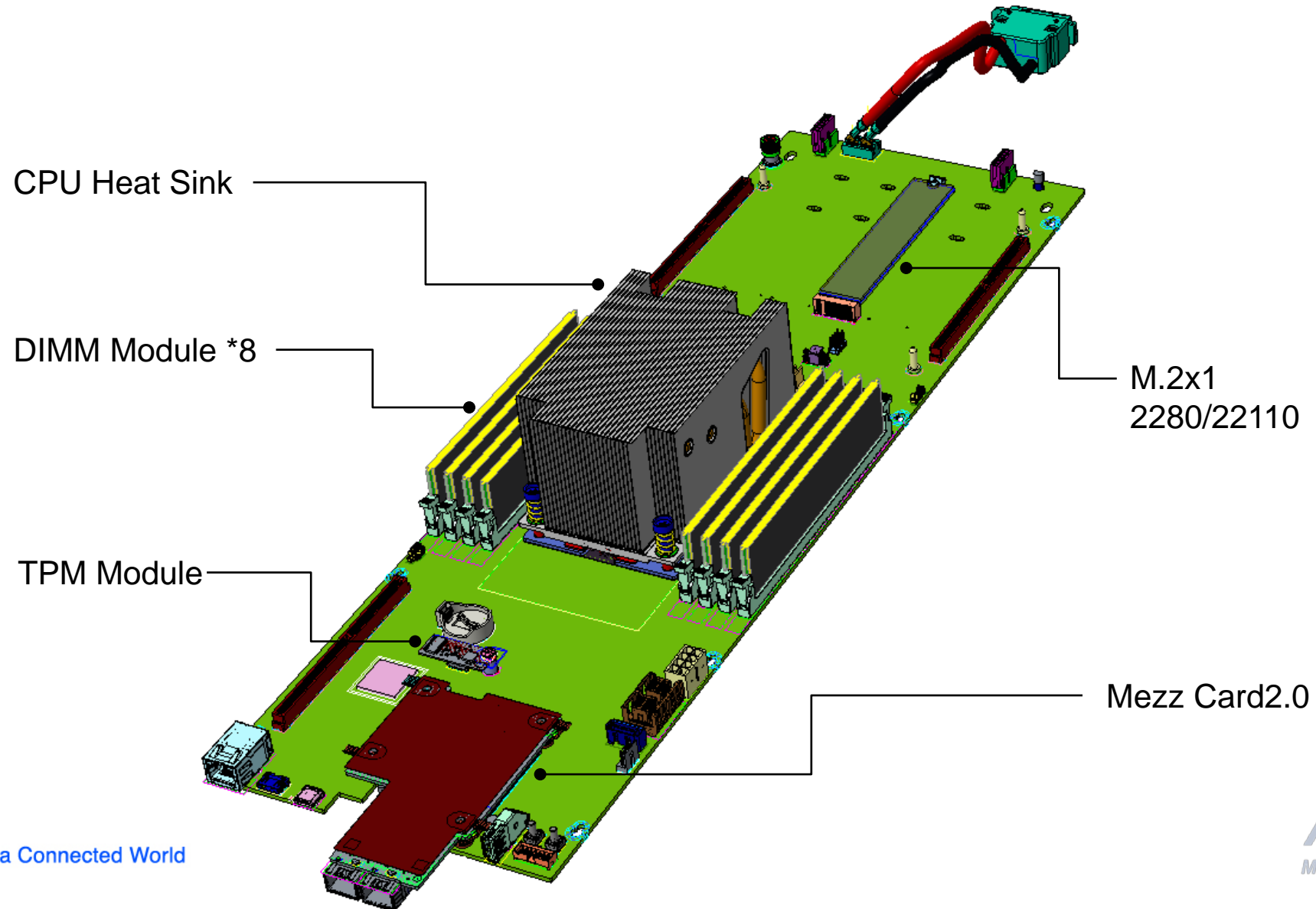
21" Shelf w/ Sled



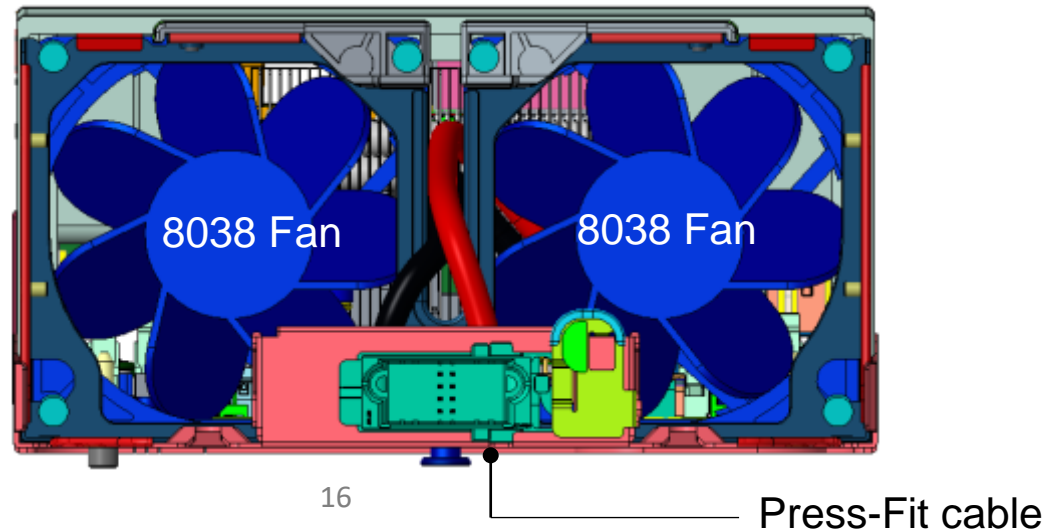
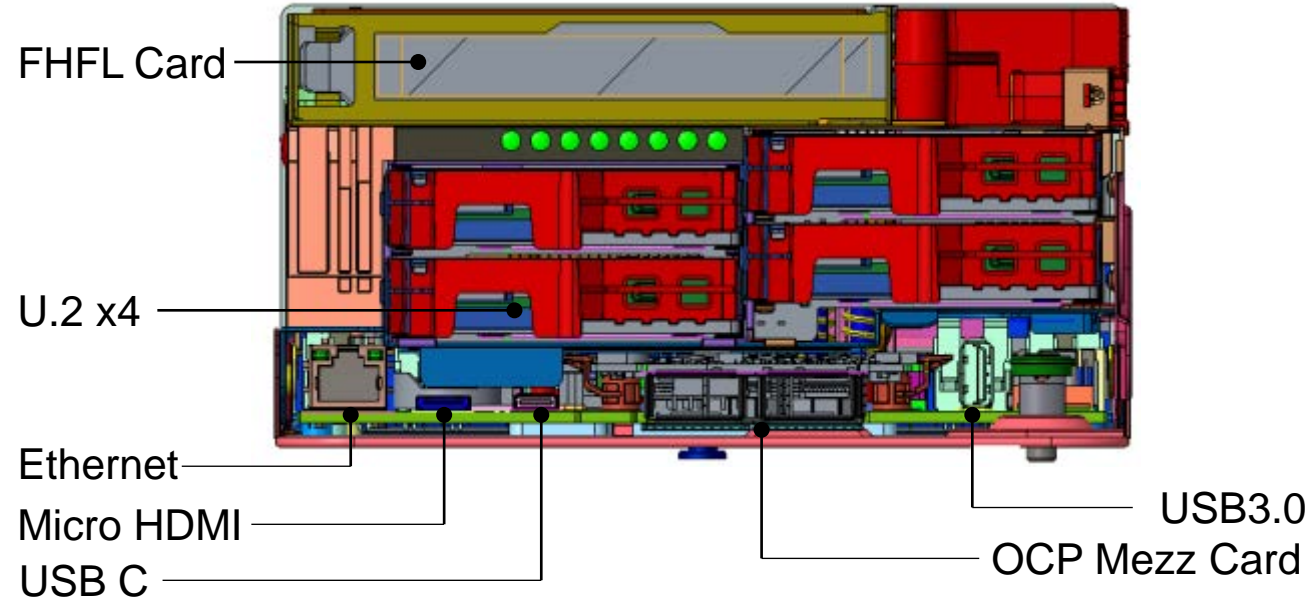
MB Placement outline



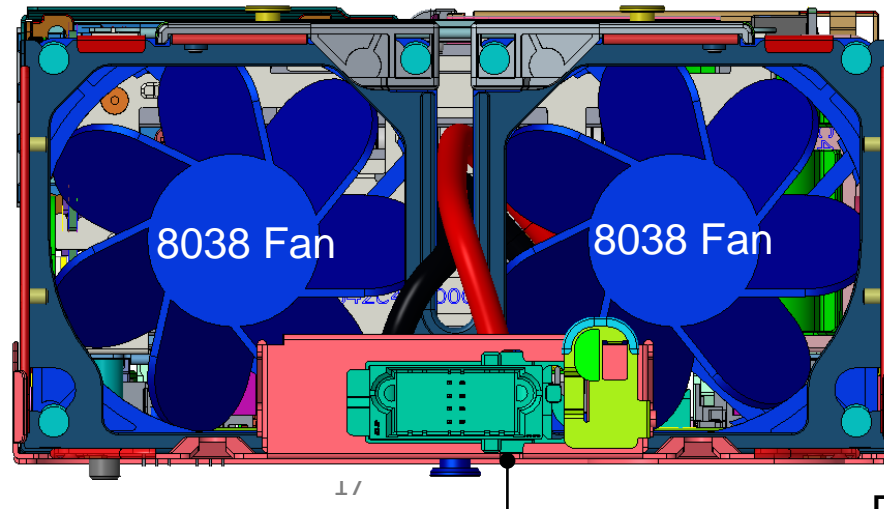
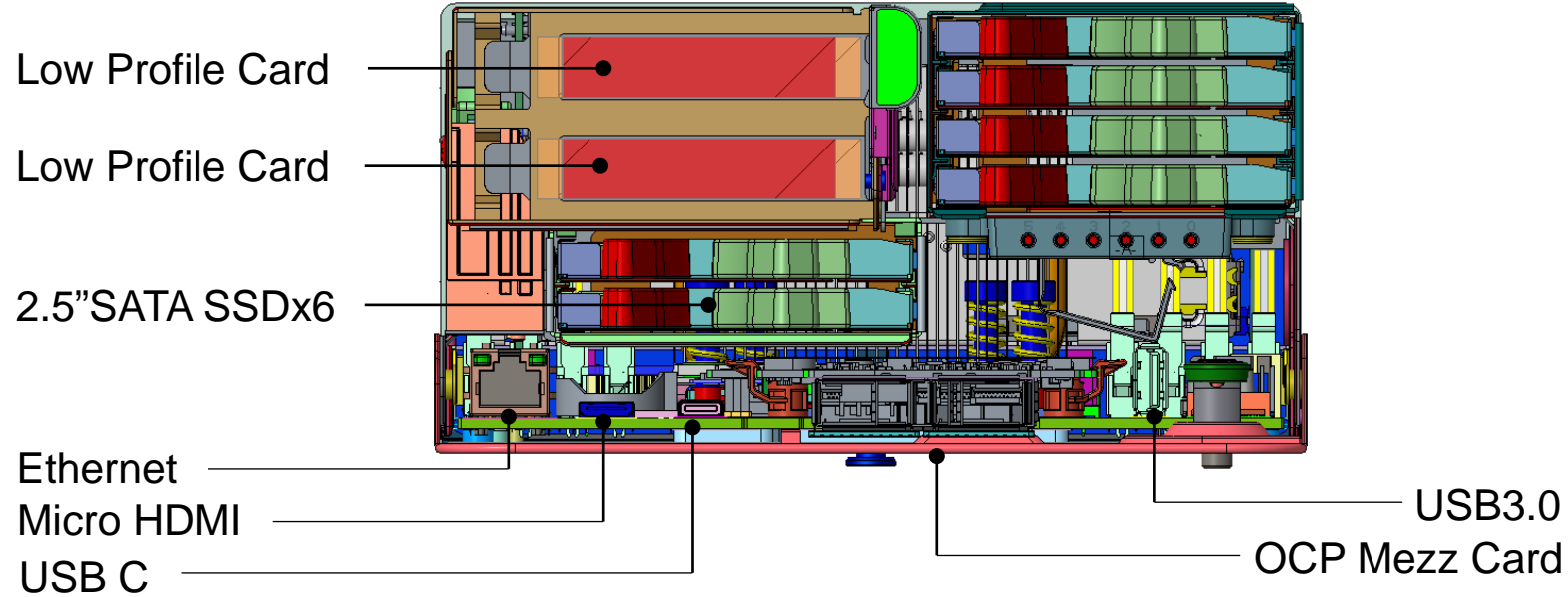
AMD 1P OCP_MB ISO View



AMD 1P OCP (Ultra)



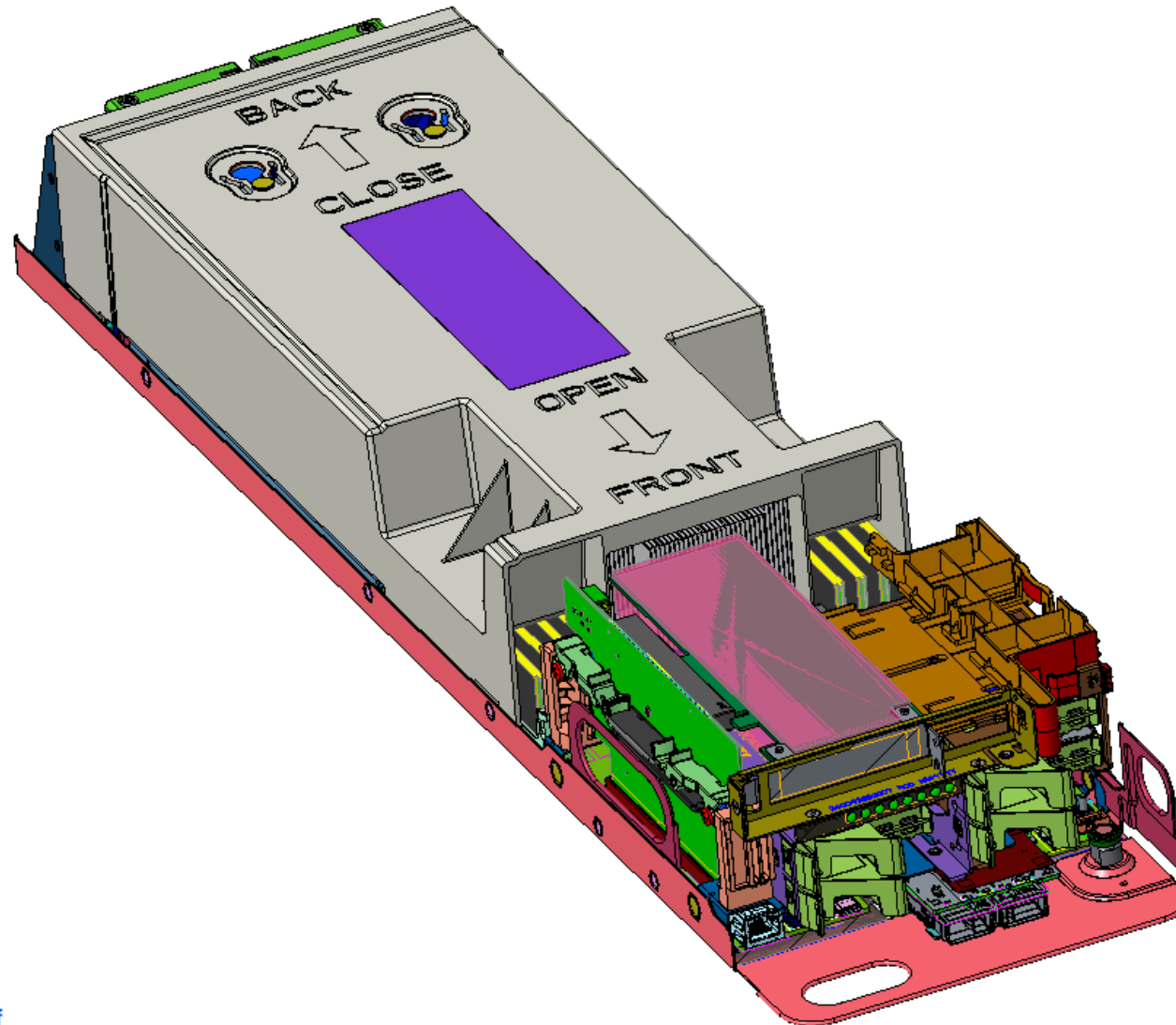
AMD 1P OCP (Advance)



-Front U.2 x4 with Rear NVMe x6 Module

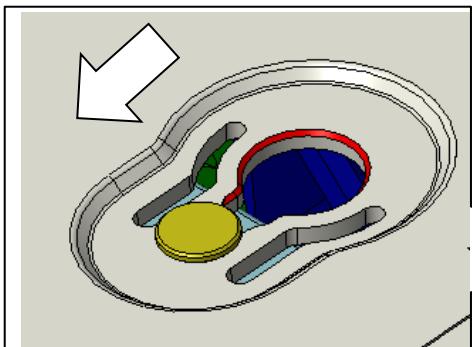


Front U.2x4 with Rear NVMe x6 _ ISO View

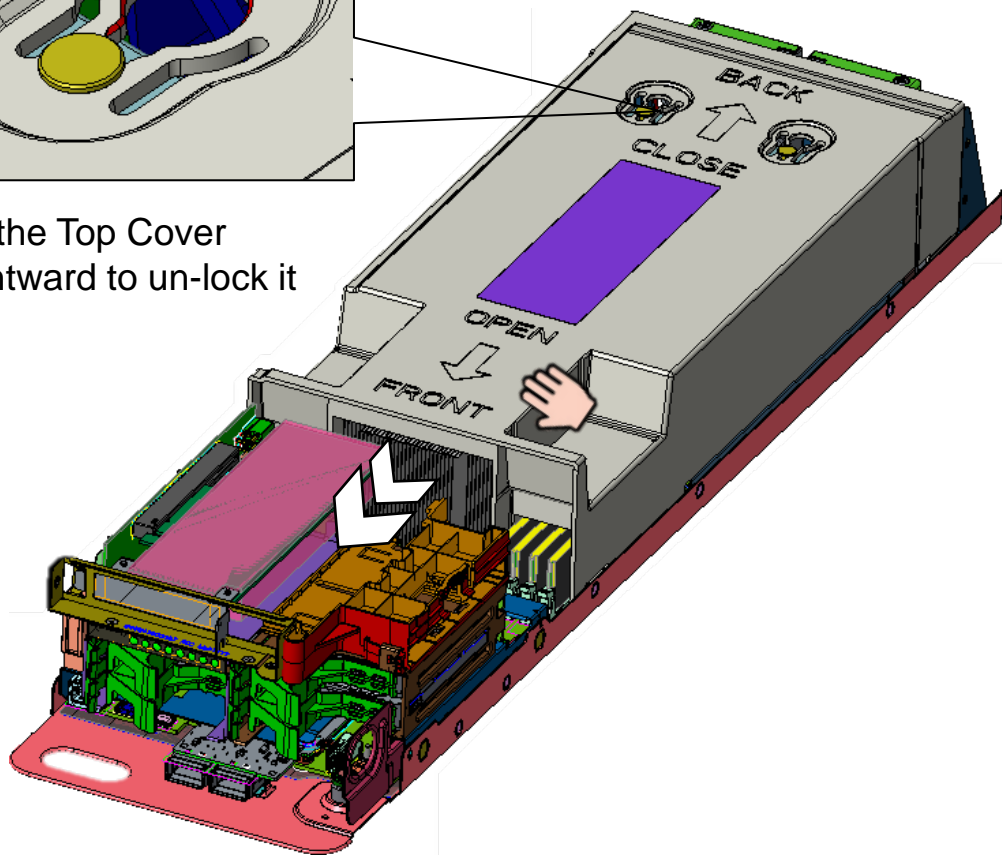


Empowering a Connected World of

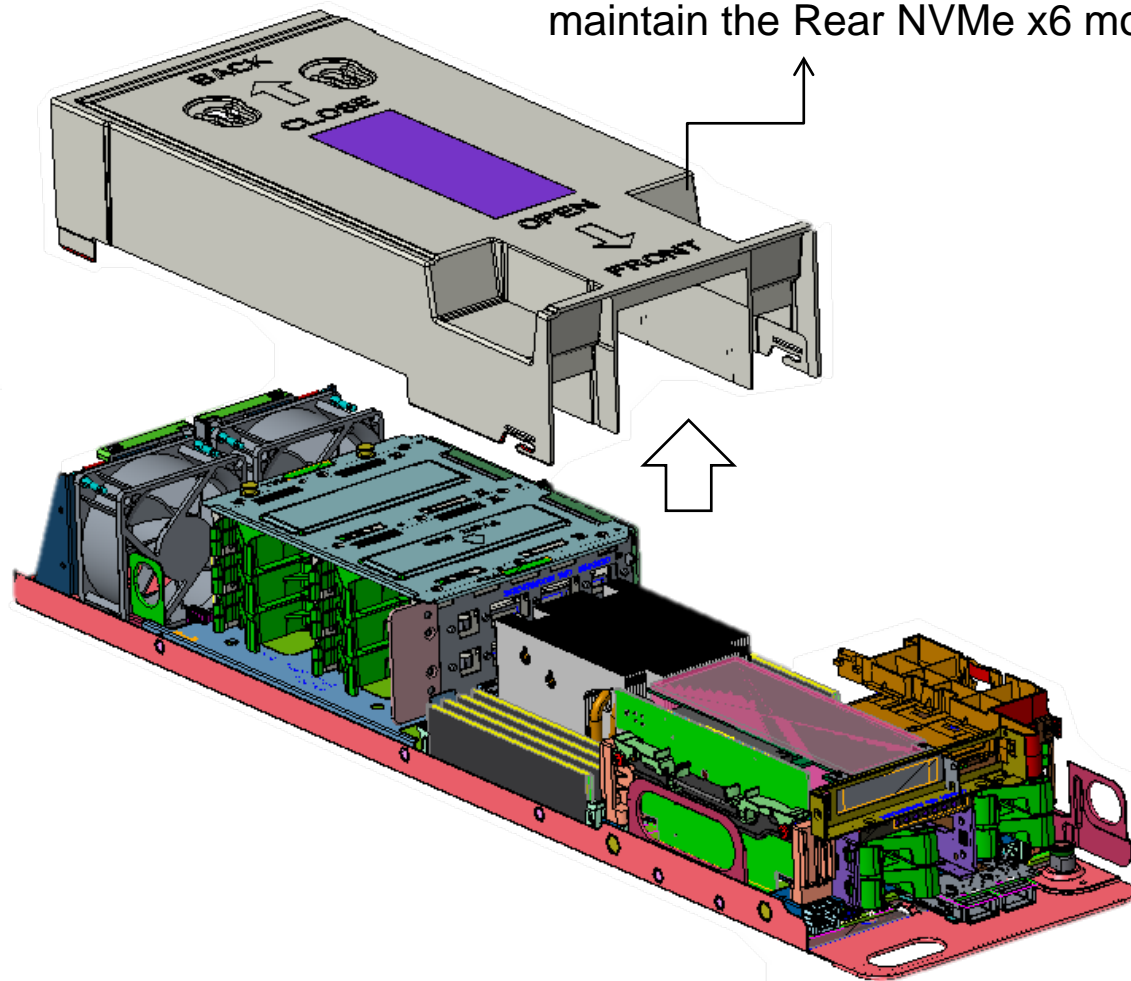
Top Cover Outline



Push the Top Cover to frontward to un-lock it



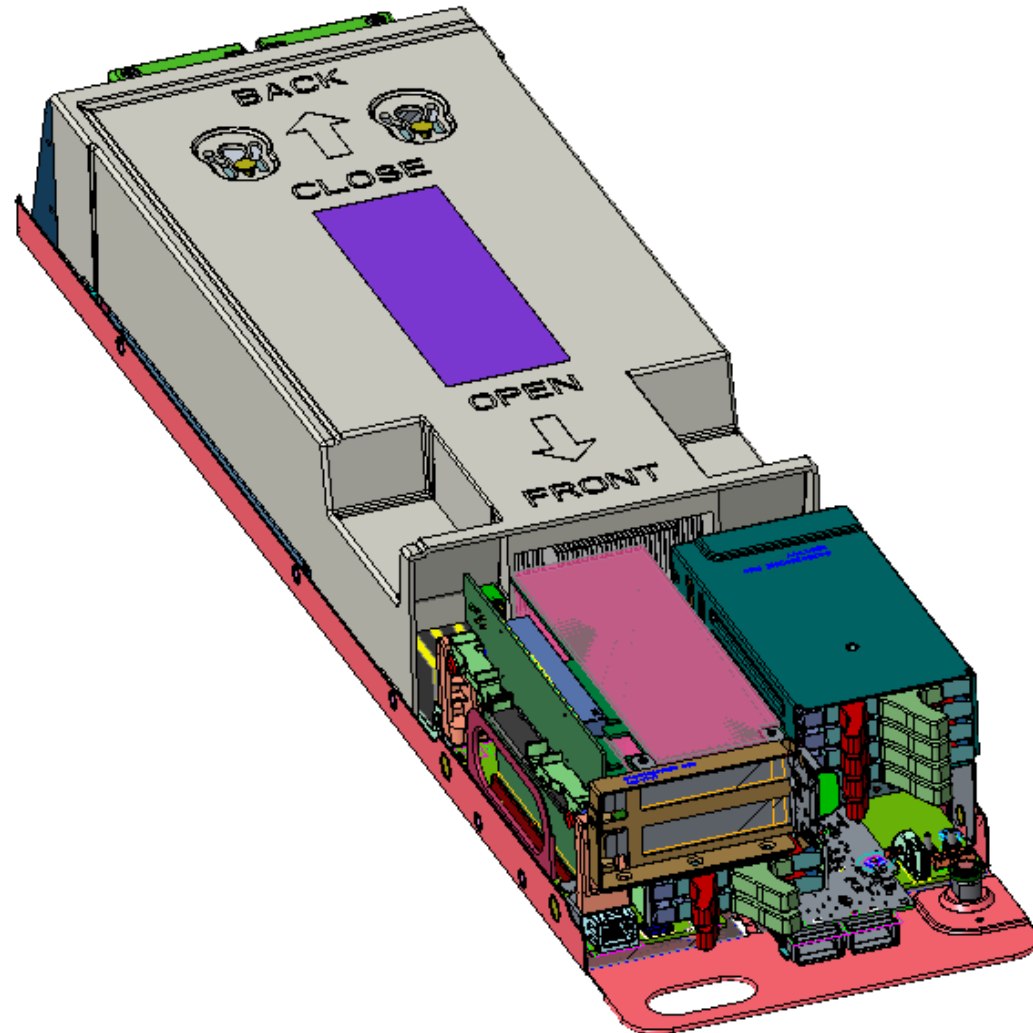
Need to remove the Top Cover for maintain the Rear NVMe x6 module



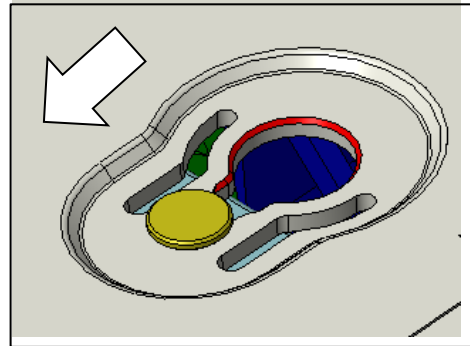
-Front SSDx6 with Rear NVMe6 Module



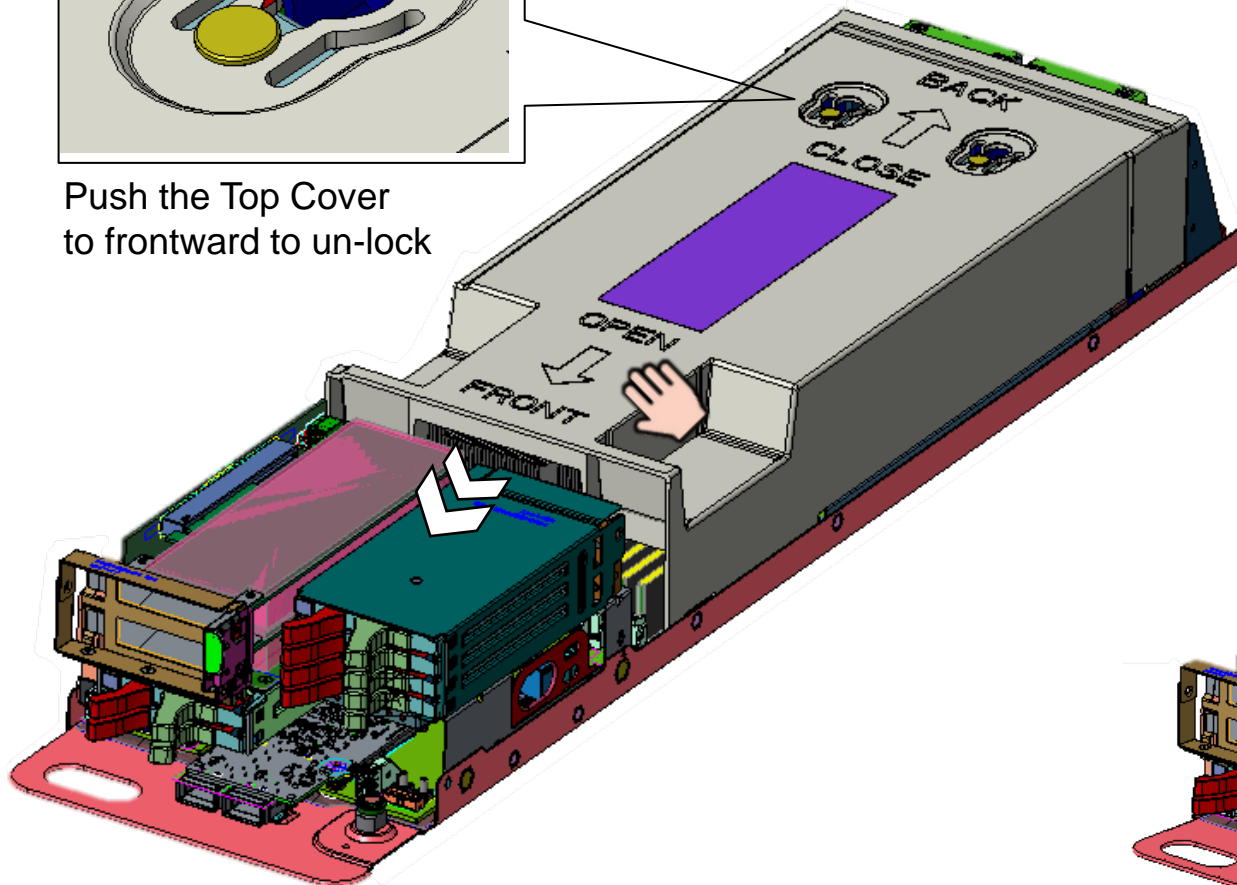
Front SSD x6 with Rear NVMe x 6_ ISO View



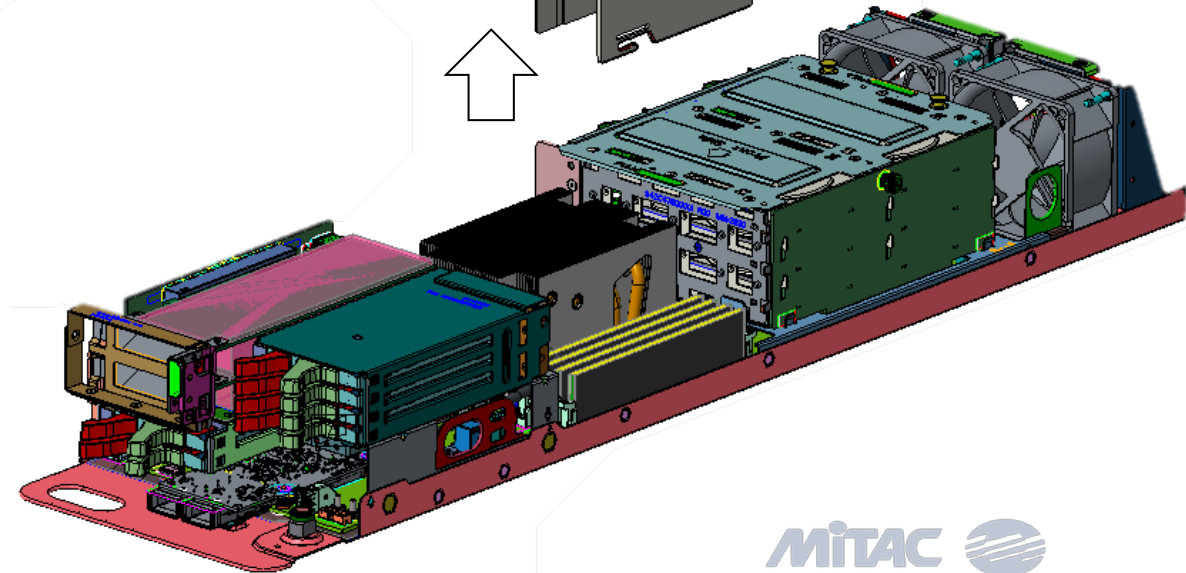
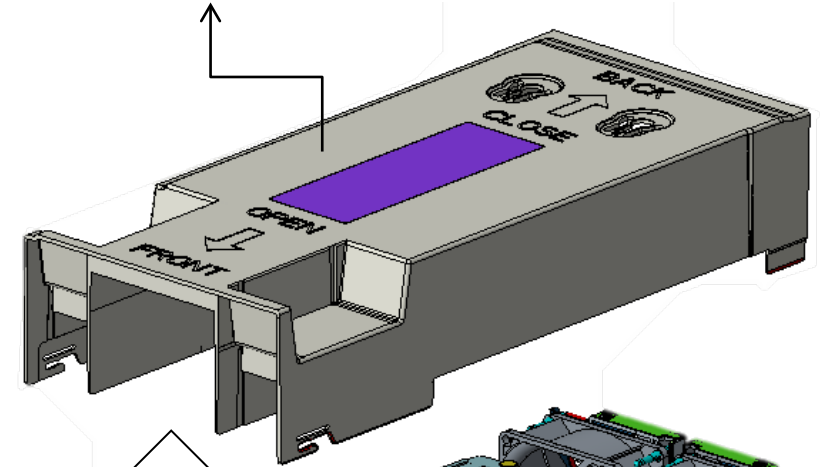
Top Cover Outline



Push the Top Cover to frontward to un-lock



Need to remove the Top Cover for maintain the Rear NVMe x 6 module



Thank You!