



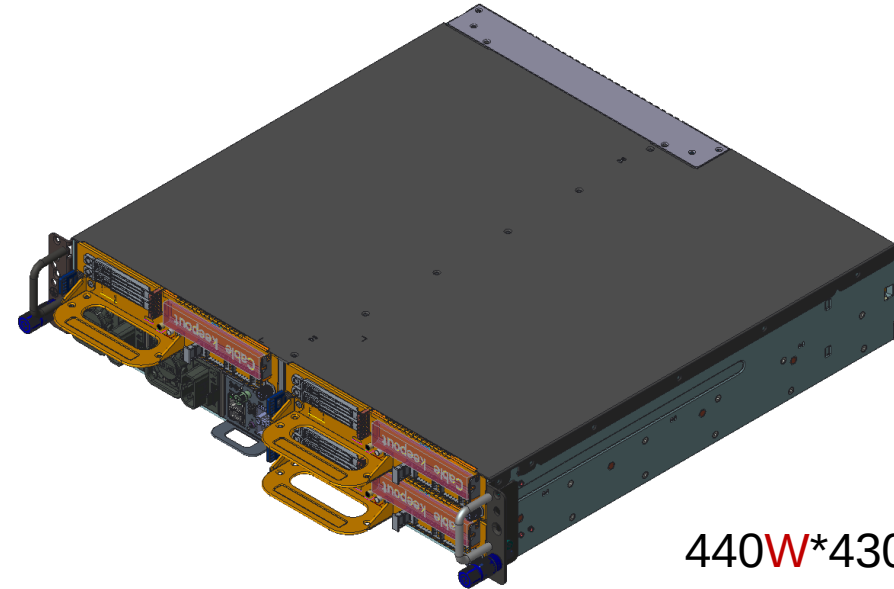
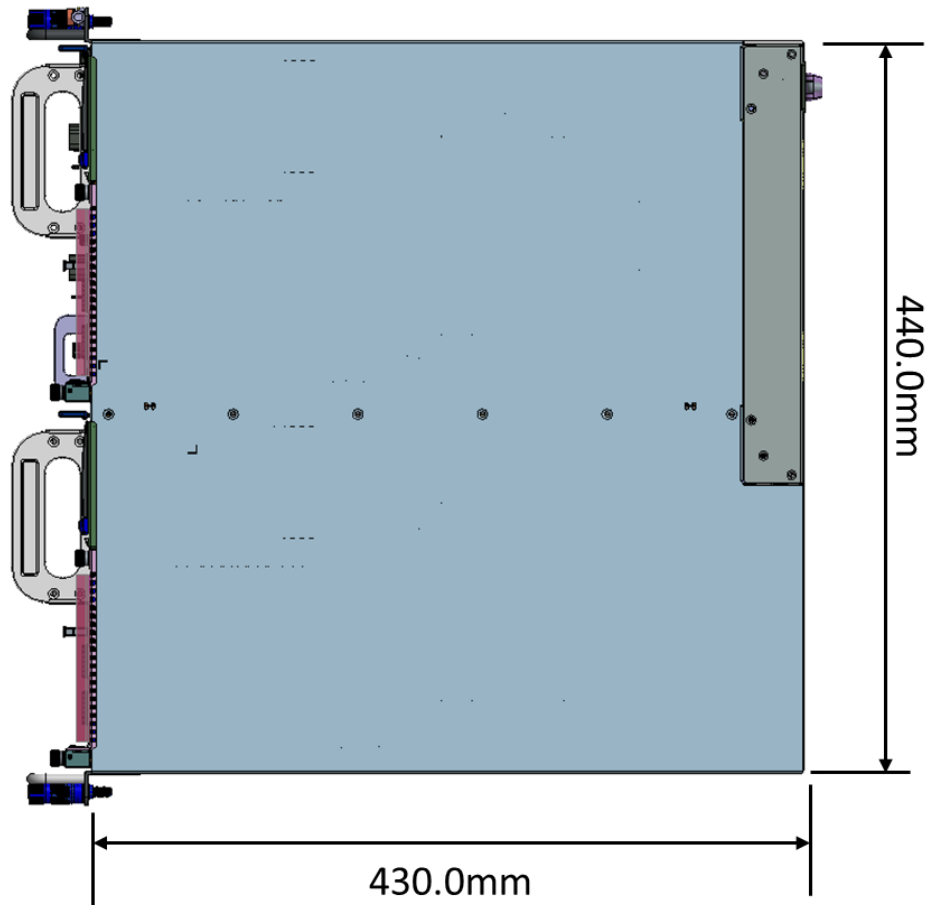
MiTAC Aowanda OpenEdge Server Proposal

Jan 2020

Topics

- MiTAC OpenEdge Brief
- Quick Comparing with Nokia Open Edge Server
- Add-on Value

Aowanda 2U Chassis Enclosure



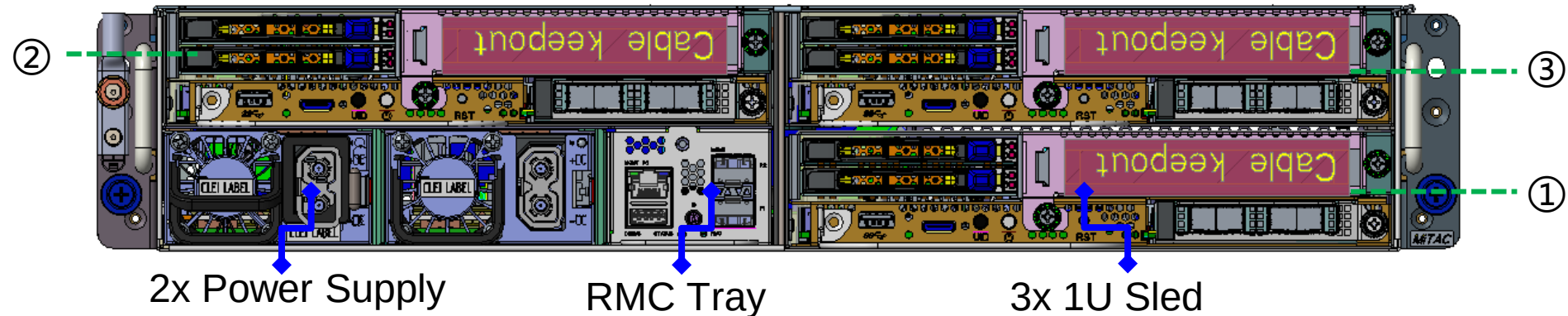
440W*430D*86.3H



Aowanda System Config

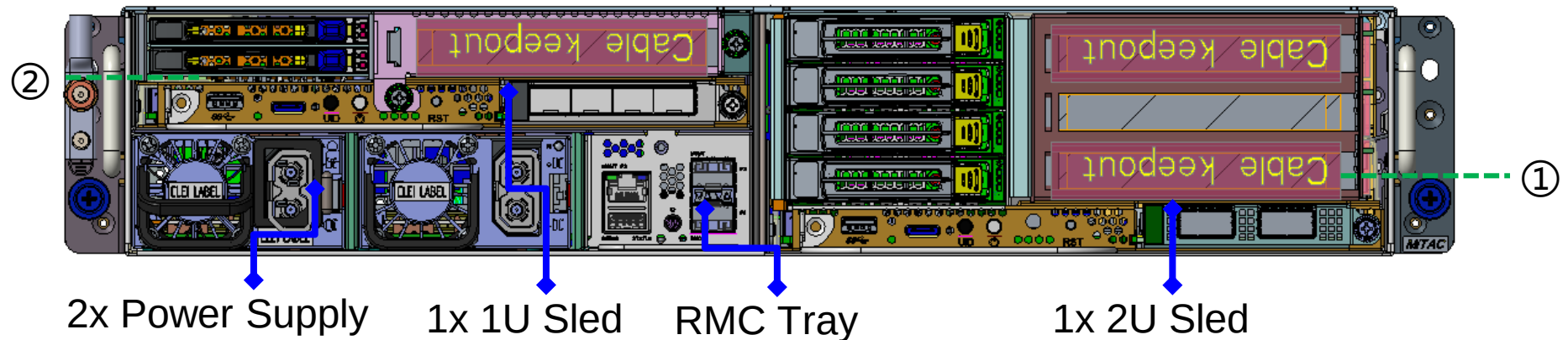
SKU#1

(3) 1U nodes



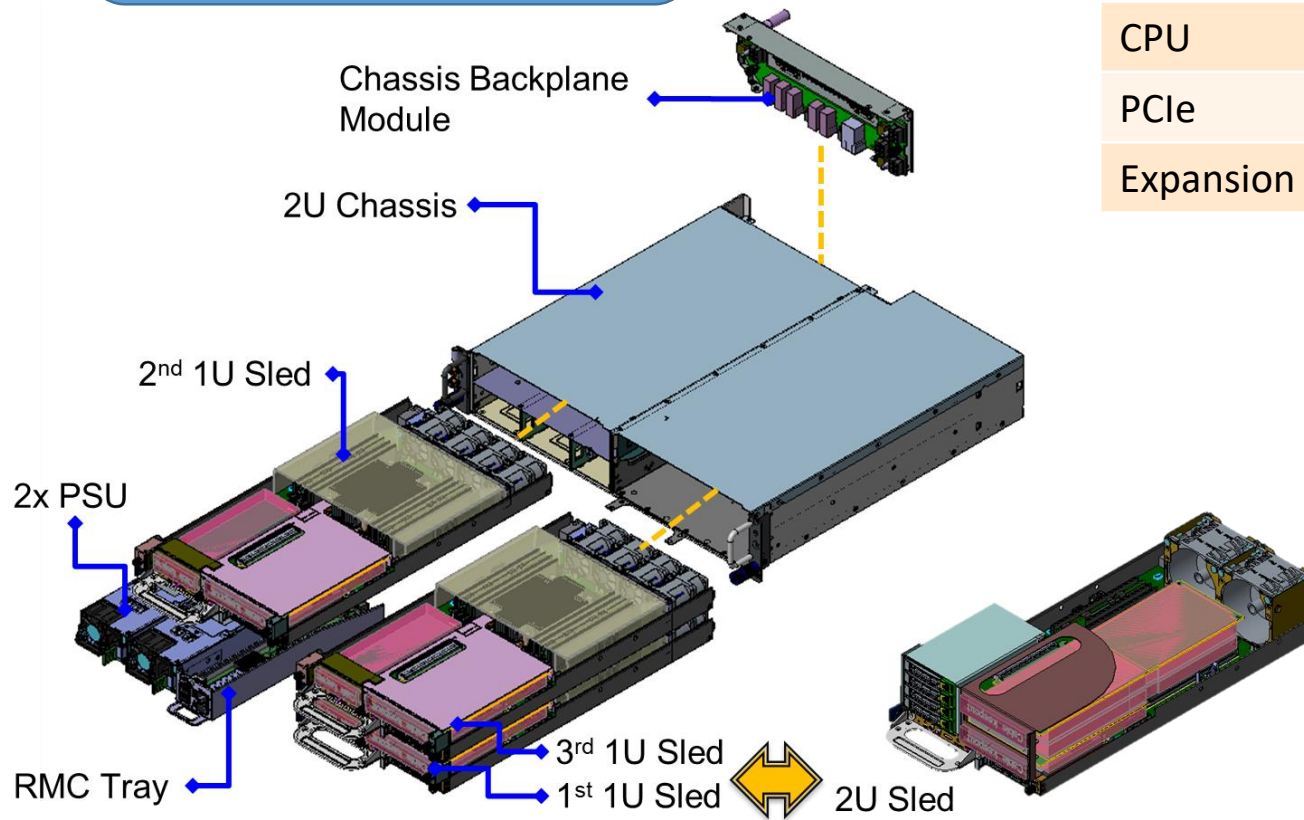
SKU#2

(1) 1U node +
(2) (1) 2U node



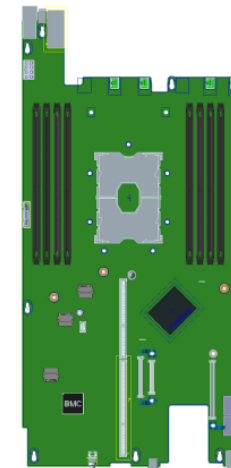
Aowanda System & Nokia System

- Same RMC
- Lower Midplane
- Same PSUs

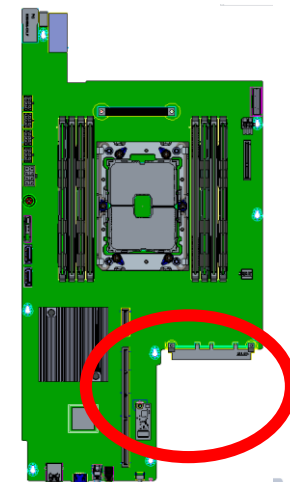


Specification	Nokia	Aowanda
Form factor	3U5N	2U3N
Dimension	440W x 130.55H x 430D mm	440W x 86.3H x 430D mm
CPU	Purley	Whitley
PCIe	Gen3 48 Lanes	Gen4 64 lanes
Expansion slot	OCP 2.0	OCP 3.0

Nokia MB



Aowanda MB



Aowanda 1U Computing Sled Spec

■ SKU#11 (2 SSD):

■ **CPU:** Intel ICX CPU Series up to 165W

■ **PCI Expansion Slots**

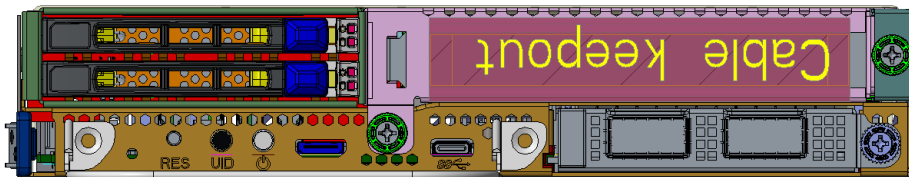
- (1) x16 FHHL PCIe Gen 4.0 slot

■ **Network**

- (1) Support x16 PCIe Gen 4.0 OCP 3.0 NIC mezz slot

■ **Storage**

- (2) M.2 , support 22110/2280 NVMe SSD
- (2) 7mm SATA/NVMe SSD



■ SKU#12 (2 PCIe):

■ **CPU:** Intel ICX CPU Series up to 165W

■ **PCI Expansion Slots**

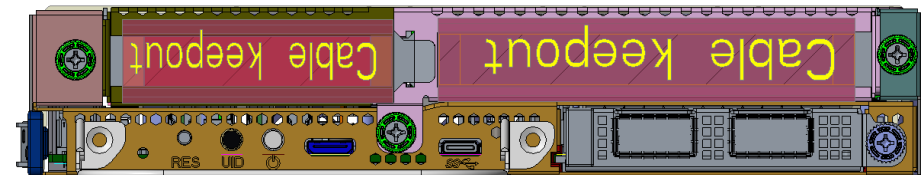
- (1) x16 FHHL PCIe Gen 4.0 slot
- (1) x16 HHHL PCIe Gen 4.0 slot

■ **Network**

- (1) Support x16 PCIe Gen 4.0 OCP 3.0 NIC mezz slot

■ **Storage**

- (2) M.2 , support 22110/2280 NVMe SSD



Aowanda 2U Computing Sled Spec

■ SKU#21 (4 U.2):

■ **CPU:** Intel ICX CPU Series up to 165W

■ **PCI Expansion Slots**

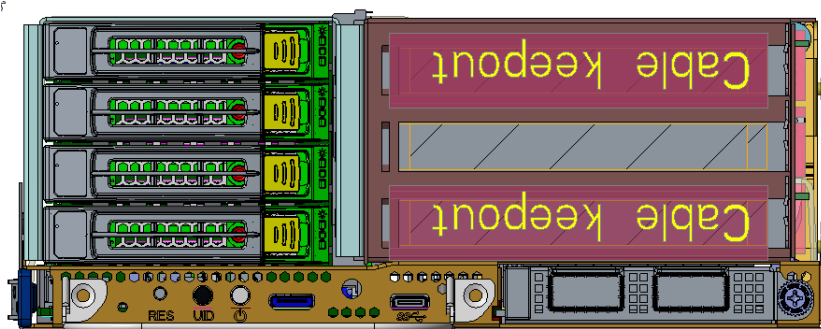
- (1) x16 FHFL PCIE Gen 4.0 slot (DW)
- (1) x8 FHHL PCIE Gen 4.0 slot

■ **Network**

- (1) Support x16 PCIE Gen 4.0 OCP 3.0 NIC mezz slot

■ **Storage**

- (2) M.2 , support 22110/2280 NVMe SSD
- (4) 15mm SATA/NVMe HDD/SSD



■ SKU#22 (6 SSD):

■ **CPU:** Intel ICX CPU Series up to 165W

■ **PCI Expansion Slots**

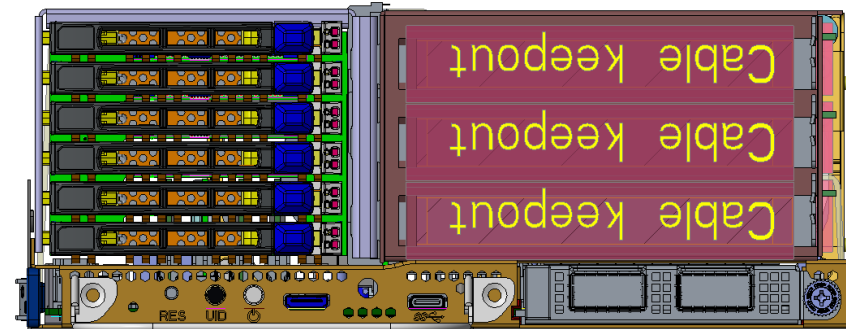
- (1) x16 FHFL PCIE Gen 4.0 slot (DW)
- (1) x8 FHFL PCIE Gen 4.0 slot
- (1) x16 FHHL PCIE Gen 4.0 slot

■ **Network**

- (1) Support x16 PCIE Gen 4.0 OCP 3.0 NIC mezz slot

■ **Storage**

- (2) M.2 , support 22110/2280 NVMe SSD
- (6) 7mm SATA SSD



MiTAC Aowanda OpenEdge Key Features

- **Migrate to Intel new generation CPU support PCIe G4**
 - Offering enough bandwidth for dual ports OCP NIC.
 - Offering higher bandwidth for accelerator cards and NVMe SSD.
- **Add security features**
 - Intel FPGA, Dual SPI (for BIOS and BMC), TPM, ASD (At Scale Debug).
 - Support of network security measures, Physical Security measures, Hardware Security Support, Software Security measures, Data Security.
- **Tool-Less**
- **Multiple SKUs options**
- **Multiple environment (NEBS)**



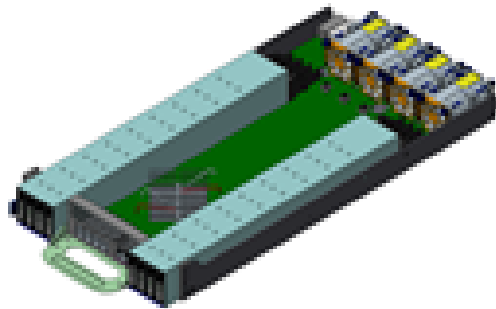
MiTAC Aowanda Sample Schedule

- Q1 2020: Engineering sample test in house
- Q2 2020: limited customer sample by Intel QS CPU/PCH
- Q3 2020: Evaluation samples made by production CPU/PCH

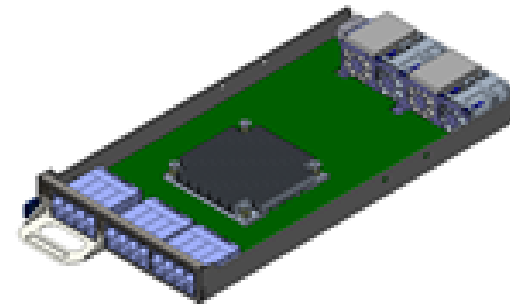


MiTAC Aowanda Next Step

- Server: Aowanda 1U full width 2S server
- Storage: WanStorage
- Eth Switch: WanConnect



WanStorage
1U half width
(8) E1. L



WanConnect
1U half width
(16) 25G ports for data
(4) 100G ports for uplink

Welcome to give us feedback

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Thank you!