



| *Tencent* |

 Tencent Cloud

T-Flex Server Platform

Kewen Cai

2019.01.15

>> T-Flex 1.0 System Description

Physical Dimension

Width = 19" Rack Mount

Depth = 800mm

Height = 87mm (2U)

Power and Thermal

2x 2000W PSU

5+1 6056 Fan Module

35C@3000m

Configuration Scalability

32x R55D

24x U.2 NVMe SSD

4x FHFL DW PCIe AIC (300W)

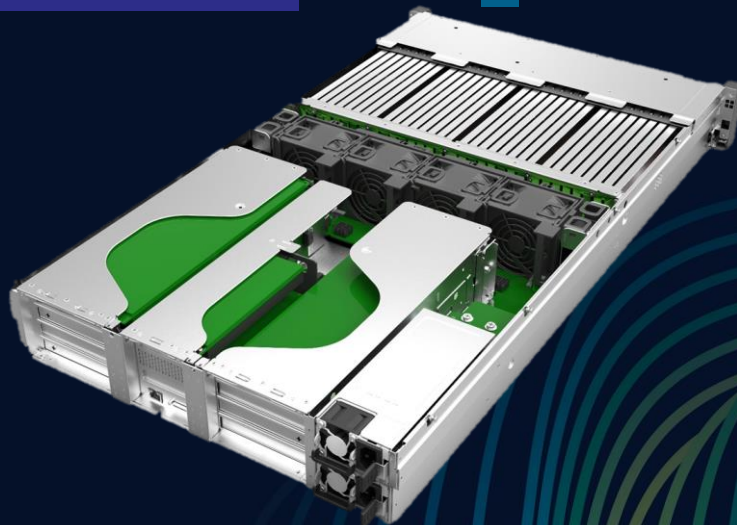
2x LP PCIe AIC

J B O X

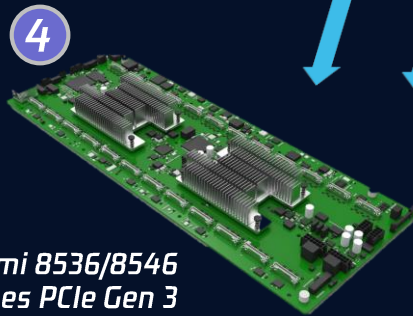
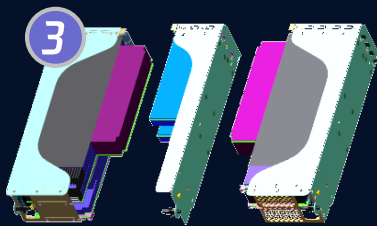
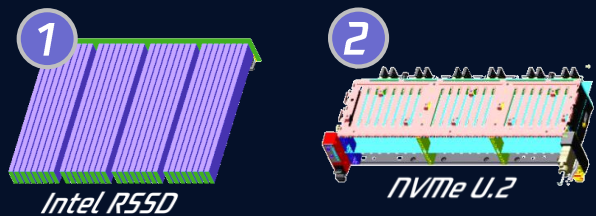
F = Flash

G = GPU

A = Accelerator



>>> T-Flex 1.0 System Key Parts Breakdown

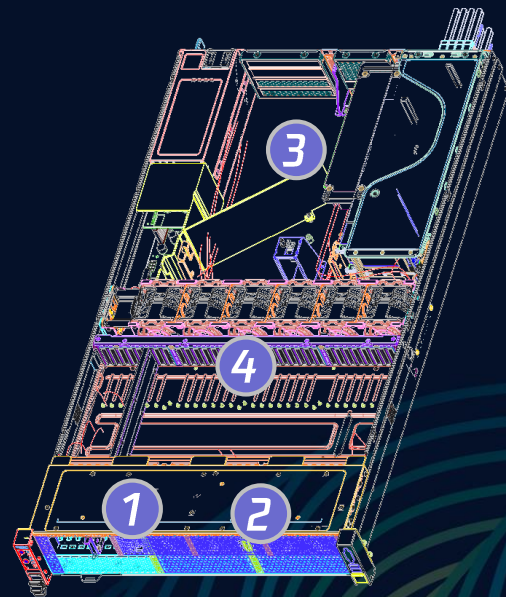


2x Microsemi 8536/8546
2x 96 Lanes PCIe Gen 3
24x OCulink x8 Ports

Rear IO

Total 192 Lanes

	JBOF1	JBOF2	JBOG1	JBOG2
SSD	24 x4	32 x4	8 x4	8 x4
SW-SW	-	-	-	2 x16
AIC	6 x16	4 x16	4 x16	2 x16
GPU			4 x16	4 x16



>>> Evolving To T-Flex 2.0 Platform

1st System Launched in
T-Flex 2.0 Series



Physical Dimension

Width = 19" Rack Mount

Depth = 890mm

Height = 87.7mm (2U)

Power and Thermal

2x CRPS PSU (D185mm)

4+1 6056 Fan Module

35C@1500m

Configuration Scalability

24x 3.5" HDD Hot Plug support

25 Intel CLX MB

15 Intel Xeon-D MB

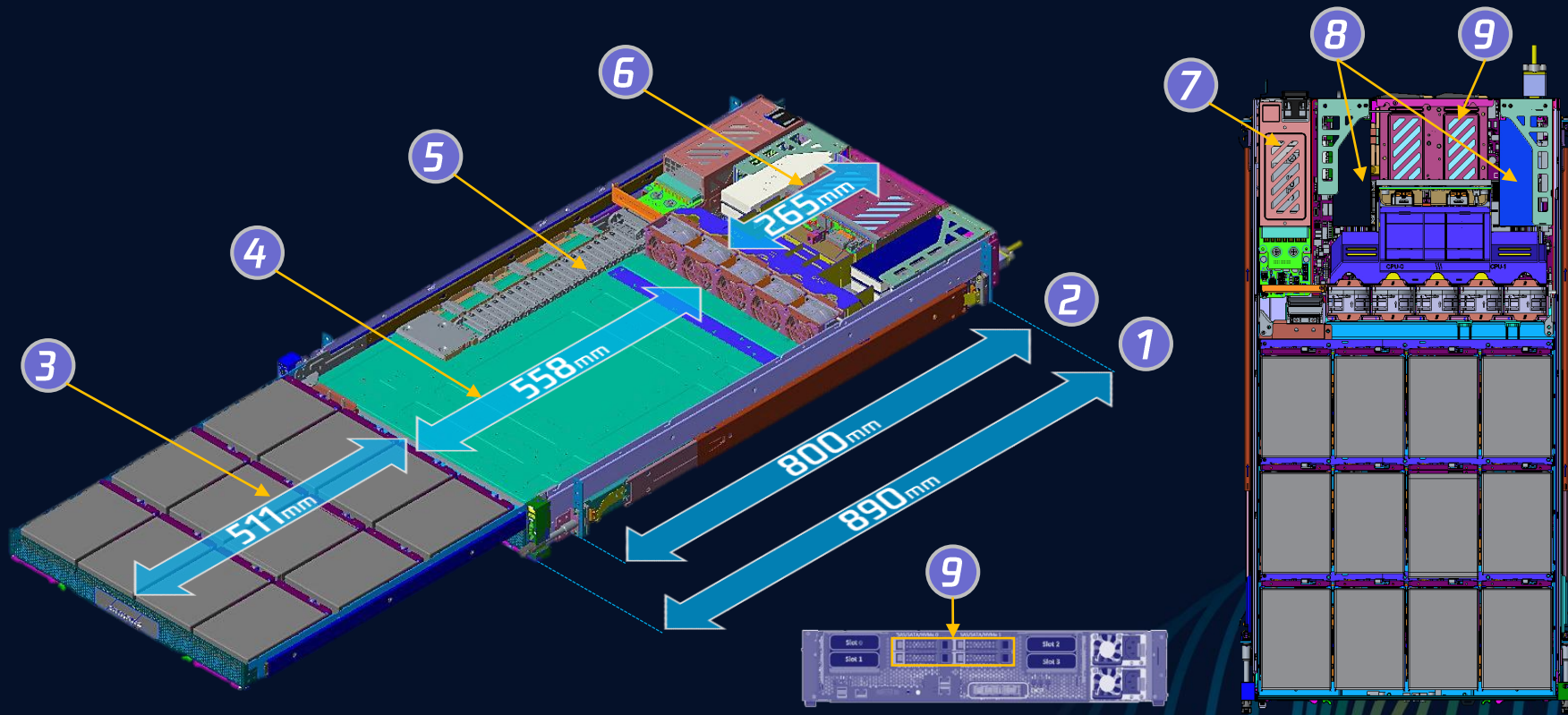
Expander w/ JOB D option

2x HH-HL AIC w/ PCIe Gen3 x8

2x HH-HL AIC w/ PCIe Gen3 x16

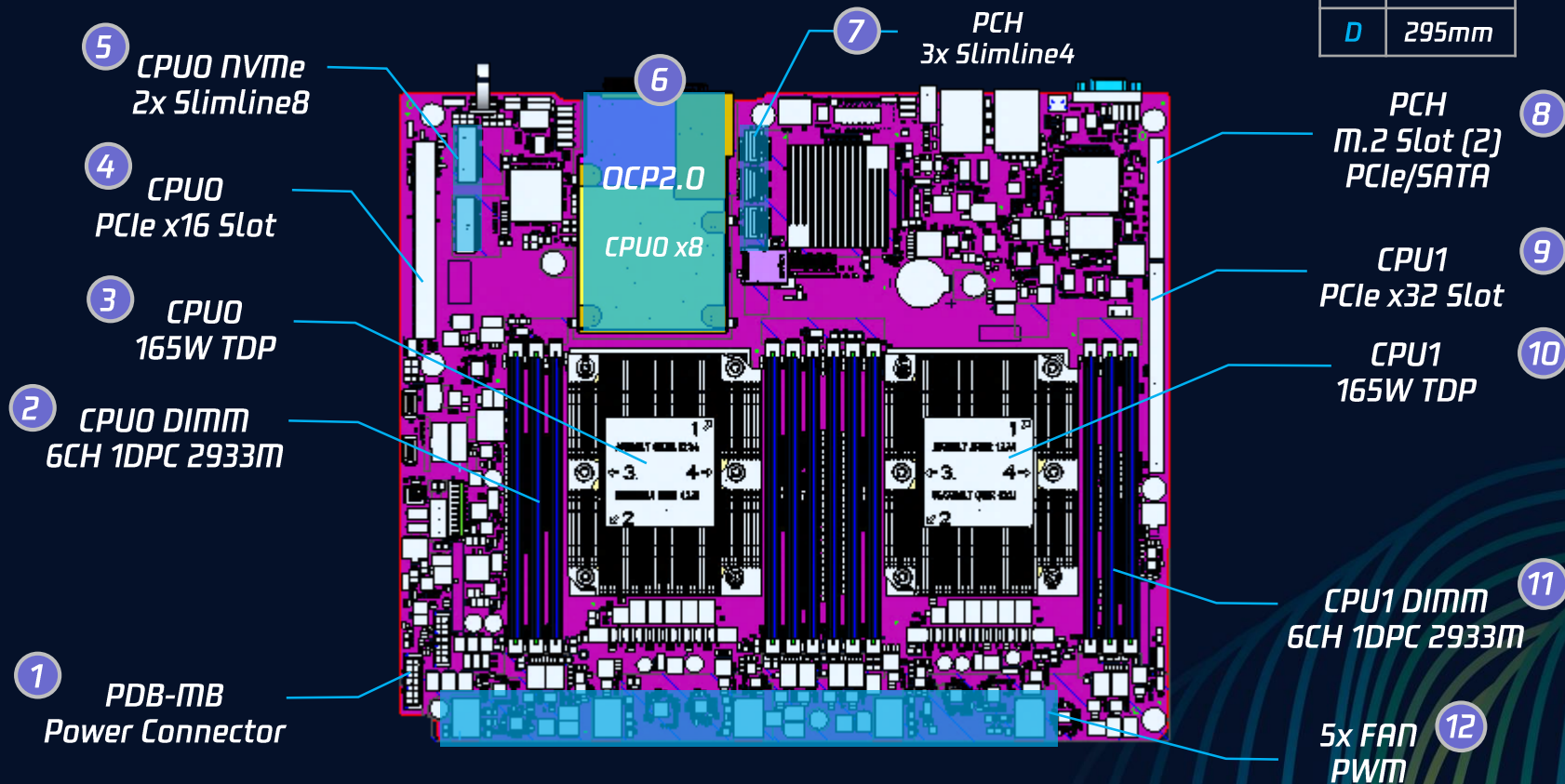
1x OCP 2.0 w/ PCIe Gen3 x8

>>> T-Flex 2.0 - 2U24HDD ME Placement Details

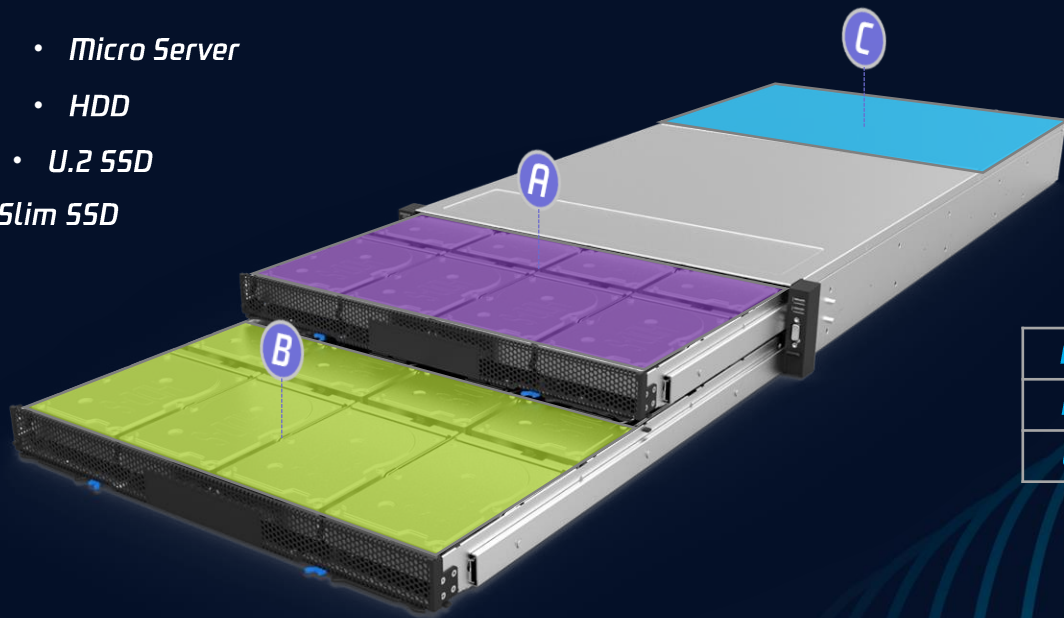
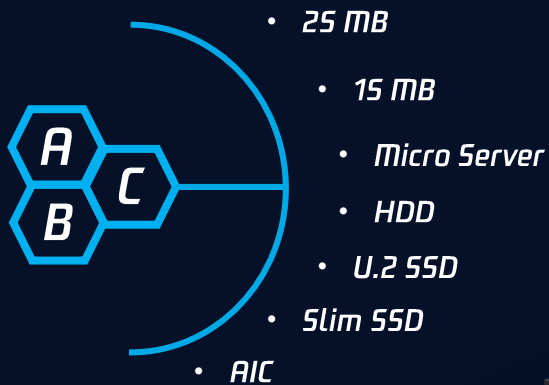


>>> T-Flex 2.0 - 2U24HDD 25 MB Details

W	350mm
D	295mm



>>> T-Flex 2.0 System Concept and Next



A	~558mm
B	~558mm
C	~265mm



THANKS

>>> T-Flex 2.0 General Concept

