



**OCP**  
SUMMIT

March 20-21  
**2018**  
San Jose, CA

**OPEN. FOR BUSINESS.**



BOOTH  
A31

# OCP U.S. SUMMIT 2018

March 20-21 | San Jose, CA

## QCT SPEAKING SESSIONS

QCT's New Gen  
Offering for OCP  
and Olympus

Tuesday March 20  
12:50pm - 1:05pm

Expo Hall Session / Hall 1

OCP Design for  
EIA Adoptions

Tuesday March 20  
3:45pm - 4:10pm

Executive Track / 210 EF

Quanta QCT  
Project Olympus

Wednesday March 21  
9:30am - 10:00am

Engineering Workshop:  
New Servers & GPUs / 210 F



OCP  
SUMMIT

# Industry Trend moving Fabric to Front

facebook

Open Rack



Microsoft

Olympus



Tencent 腾讯

Alibaba Group

Baidu 百度

Scorpio



An aerial, high-angle view of a dense urban skyline at night. The city is illuminated with various lights, and a network of glowing, golden-yellow lines crisscrosses the scene, connecting numerous location pins (represented by teardrop shapes with a central dot) scattered across the buildings. The overall atmosphere is futuristic and data-driven.

**Your colocation space can only  
support EIA-310A**

# QCT has the most OCP design Building Blocks deployed by CSPs

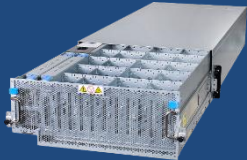
This year, we are adding even MORE to an already rich product line



# Offering EIA Support to all these Building Blocks Allows integration into all colocations !!



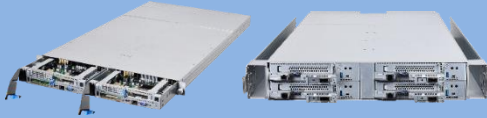
*Bus Bar*



*Blind Mate*



High Density 1U2N  
High Density 2U4N

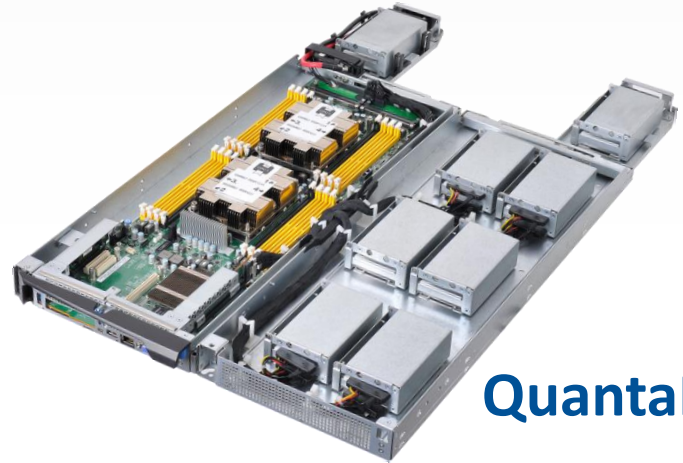


JBOB – DX88



JBOG – JG3





**Tioga Pass**

**QuantaPlex**

# QuantaPlex T22SF-1U

## Transforming High Density Design



Up to 165W Xeon® Processor Scalable Family

Support AVA LP carrier card

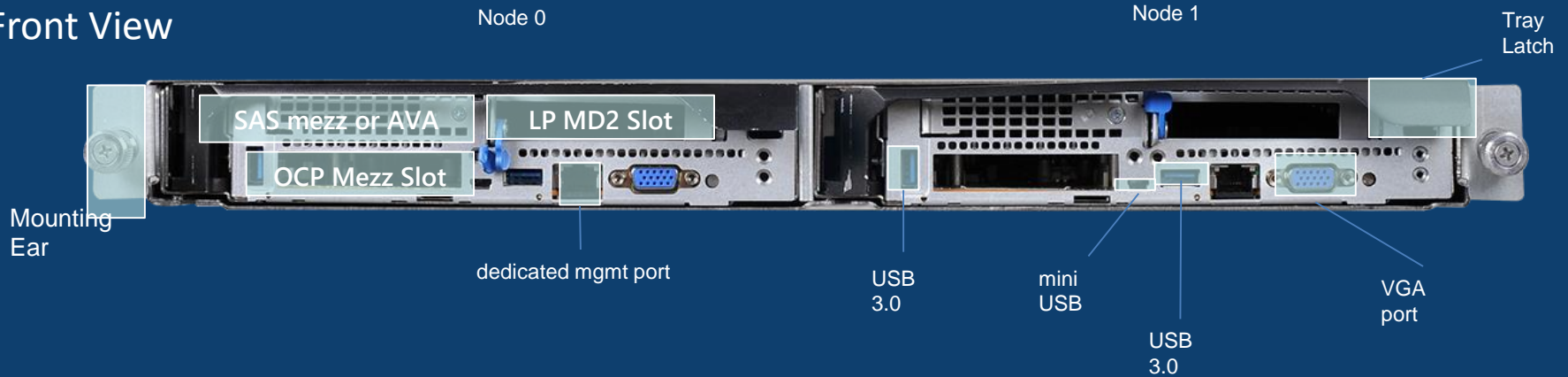
Up to 3x PCI Expansion Slots per node

Up to 16x SSD for high performance DB

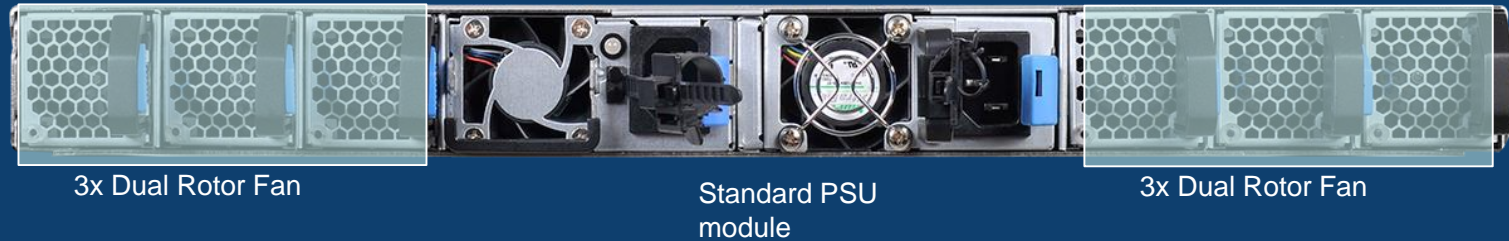


# QuantaPlex T22SF-1U Front & Rear View

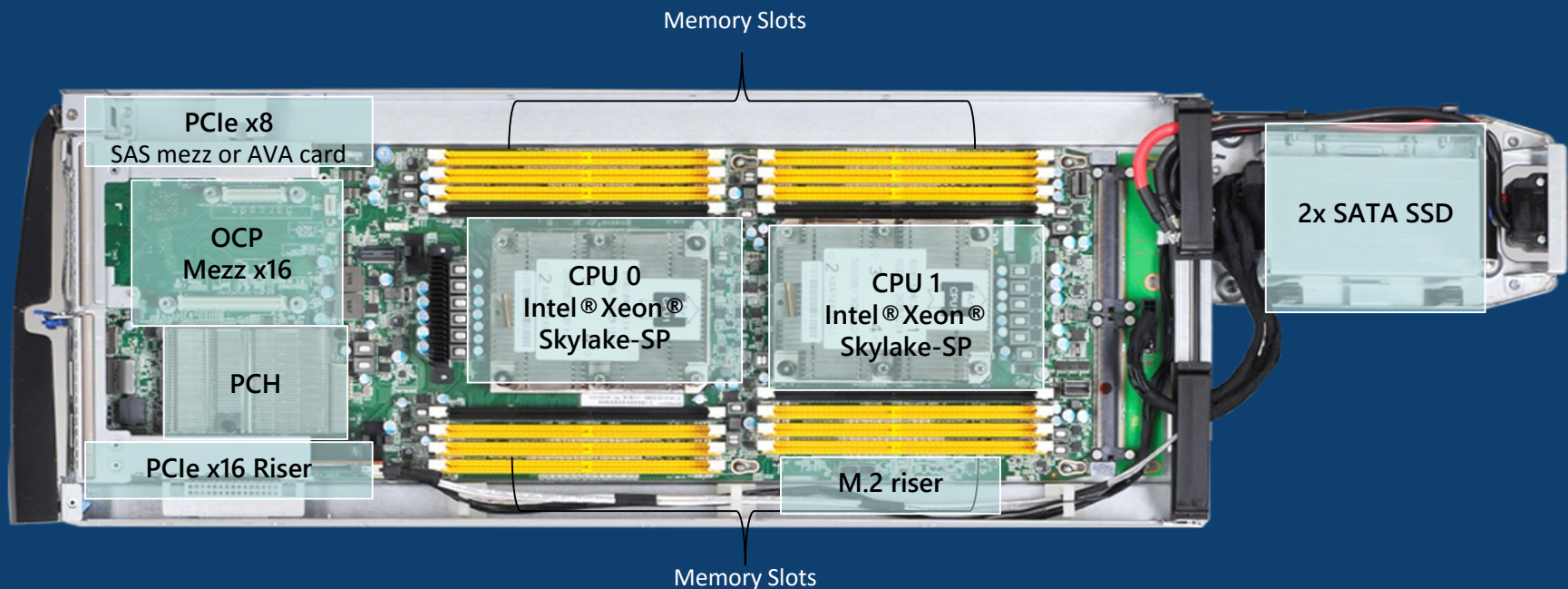
## Front View



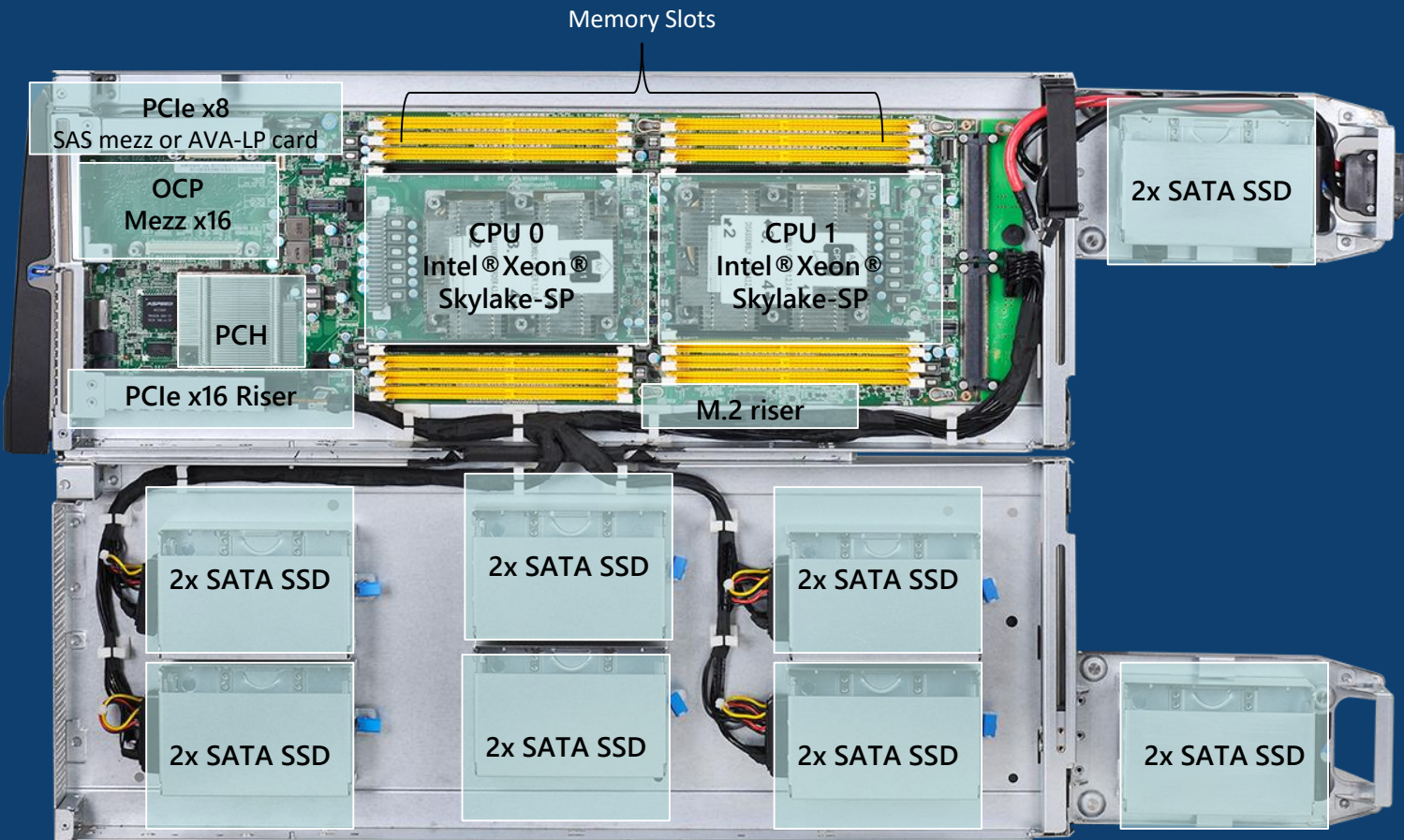
## Rear View



# QuantaPlex T22SF-1U Compute Blade Overview



# QuantaPlex T22SF-1U Storage Blade Overview



# QuantaPlex T22C-1U

A Single U Box with Multiple Possibilities



# 12 QuantaPlex T22C-1U

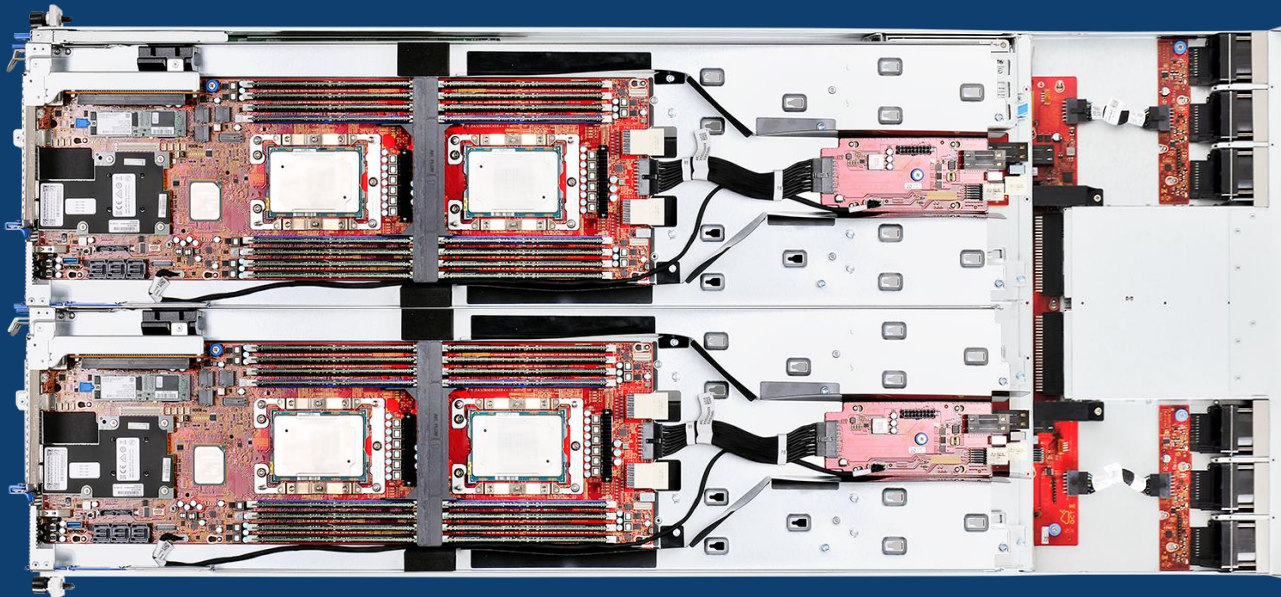
## Dual Node

### Chassis:

- 448 x 42.8 x 1066mm
- Front PCIe, LAN and I/O
- Support Static Rail
- 6x 4056 Fan, H.S., D.R.
- 2 x 73.5mm PSU, H.S., 1+1

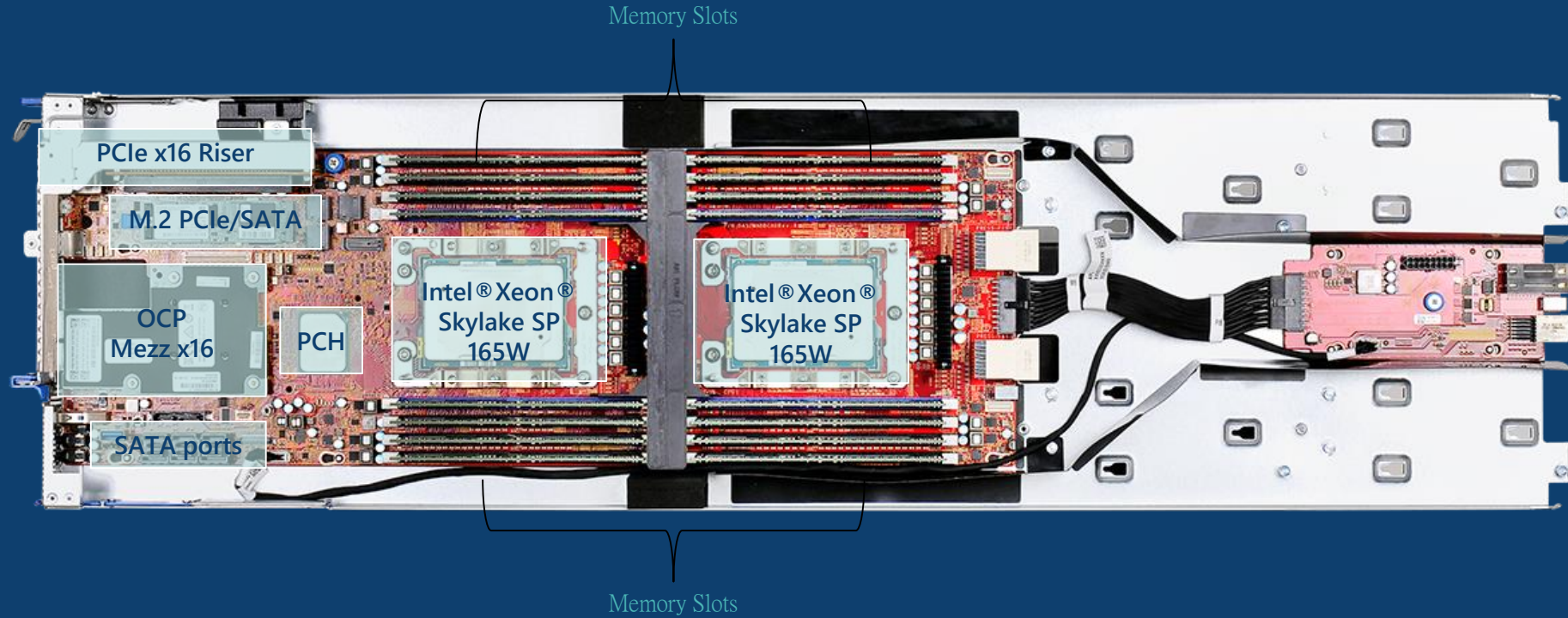
### MB :

- 6.5" x 20" MB
- 2P Intel Skylake SP CPU
- 16x DIMM
- 1x PCIe x16 HHL slot
- 1x OCP x16 mezz slot



# QuantaPlex T22C-1U

## Multi node sled overview



# 15 QuantaPlex T22C-1U

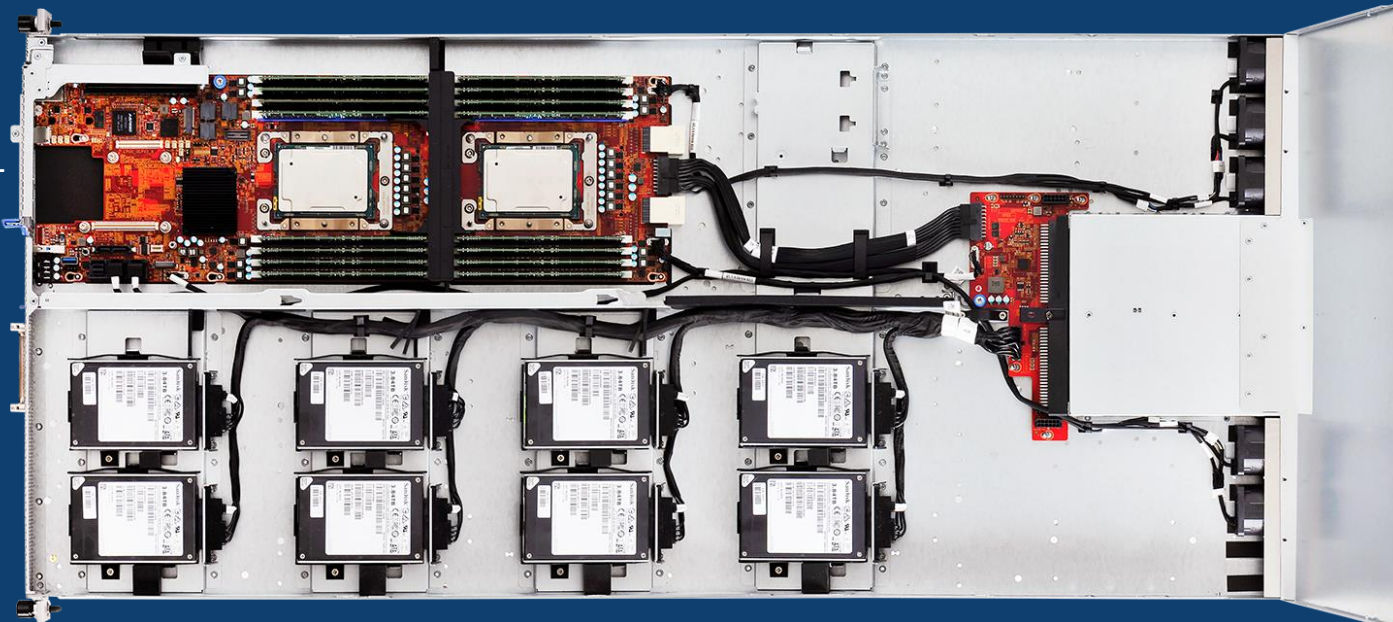
## Single Node - Flash

### Chassis:

- 448 x 42.8 x 1066mm
- Front PCIe, LAN and I/O
- Support Static Rail
- 5x 4056 Fan, fixed, D.R.
- 2 x 73.5mm PSU, H.S., 1+1
- 8x SATA SSD drives

### MB :

- 6.5" x 20" MB
- 2P Intel Skylake SP CPU
- 16x DIMM
- 1x PCIe x16 HHL slot
- 1x OCP x16 mezz slot



# 16 QuantaPlex T22C-1U

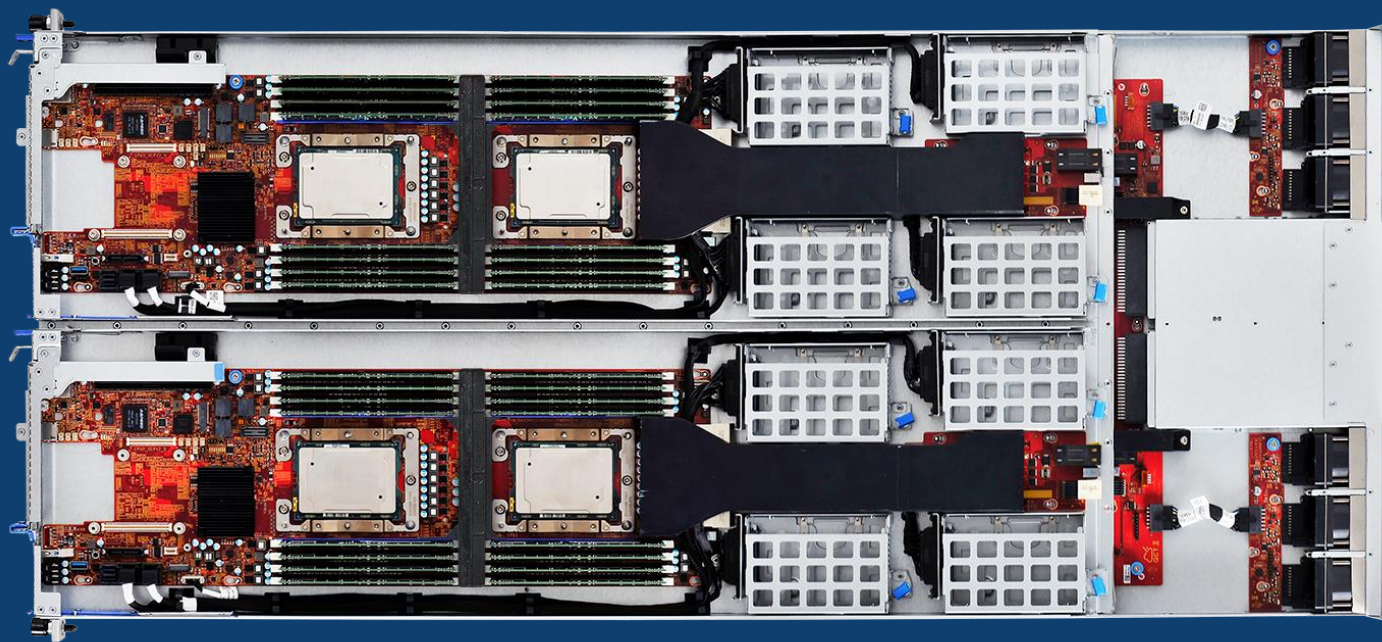
## Dual Node - Flash

### Chassis:

- 448 x 42.8 x 1066mm
- Front PCIe, LAN and I/O
- Support Static Rail
- 6x 4056 Fan, H.S., D.R.
- 2 x 73.5mm PSU, H.S., 1+1
- 8x SATA SSD per node

### MB :

- 6.5" x 20" MB
- 2P Intel Skylake SP CPU
- 16x DIMM
- 1x PCIe x16 HHL slot
- 1x OCP x16 mezz slot





# 17 QuantaPlex T22C-1U

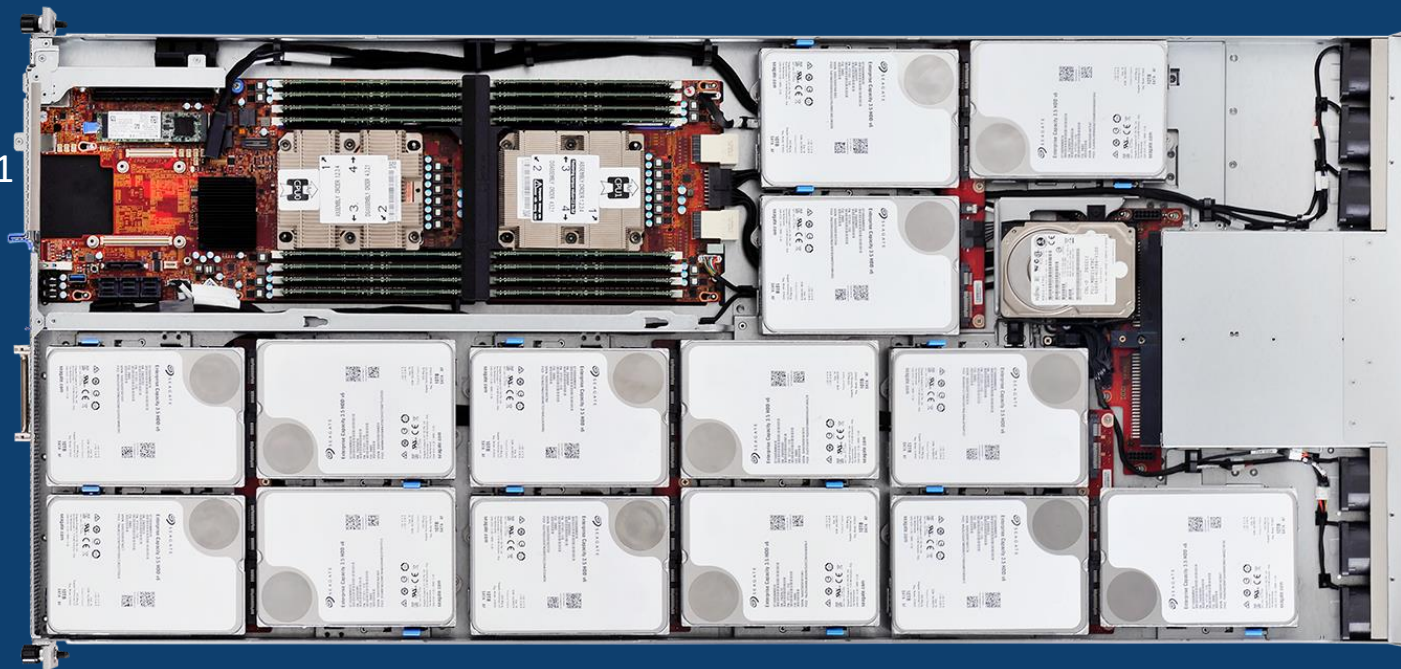
## Single Node – Standard Storage

### Chassis:

- 448 x 42.8 x 1066mm
- Front PCIe, LAN and I/O
- Support Static Rail
- 6x 4056 Fan, fixed, D.R.
- 2 x 73.5mm PSU, H.S., 1+1
- 14x LFF drives
- 1x SFF 2.5" 15mm boot

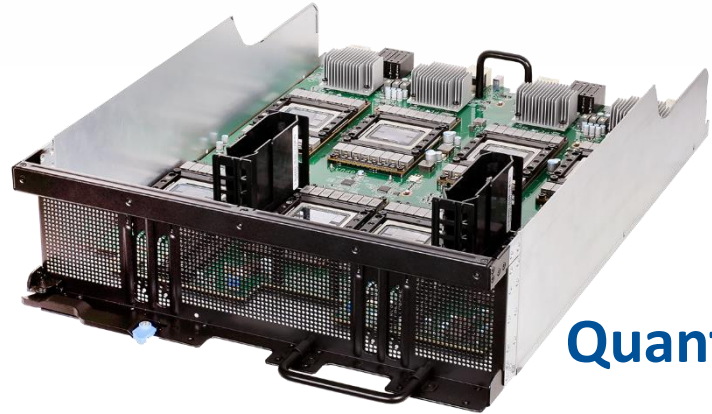
### MB :

- 6.5" x 20" MB
- 2P Intel Skylake SP CPU
- 16x DIMM
- 1x PCIe x16 HDDL slot
- 1x OCP x16 mezz slot





**Big Basin**



**QuantaGrid**

# JG4080



## Bridge-L SKU

Bridge-board PLX9797\*1

Baseboard PLX9797\*2 or 4

Max Host support\*2



## Bridge-H SKU

Bridge-board PLX9797\*2

Baseboard PLX9797\*2 or 4

Max Host support\*4

Atom CPU\*1

# One chassis for both GPU server and JBOG

Common GPU Baseboard for both system



3U

**GPU server: QuantaGrid D52G-4U**  
Skylake Motherboard

1U

**JBOG: QuantaVault JG4080**  
Bridge Board-L / Bridge Board-H  
Front Access/ Rear Access

# Front/Rear Access Support

## Front Access



Front View(bridge-L)



rear View

## Rear Access



Front View



rear View (bridge-H)

# Supporting both PDMU & C14



# OVERVIEW

- 4U JBOD
  - 88 Hot-plug HDDs
  - N+1 Dual Rotor Fans
  - N+N Redundant, 1650W 3-Phase, Hot-Swap PSUs
  - Drawer design – slide out for service
- Robust Feature Set
  - Integrates into Project Olympus Infrastructure through Universal PDU
  - Runs on OpenBMC
    - Gathers HDD temps and component status info
  - Individual HDD on/off to minimize NTF



# We are also adding Project Olympus DX-88 to our line up.



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**BOOTH A31**

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**QCP SUMMIT**







# OCP SUMMIT