

# Microsoft Project Olympus

v1.0 Contribution

OCP/DCD Nov 8, 2017

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Microsoft Cloud + Enterprise



# PROJECT OLYMPUS – OPEN SOURCE HARDWARE

## Next-gen Cloud Hardware

Open sourcing leading edge Hyperscale cloud hardware currently under development at Microsoft

## Development Model

New collaboration model with OCP community – co-develop open hardware at cloud speed

## Industry Ecosystem

Bootstrap a vibrant ecosystem in OCP for the next generation of datacenter hardware

<http://www.opencompute.org/wiki/Server/ProjectOlympus>





# Project Olympus | Update

**Specifications 100% complete and now in volume production**

**Being deployed globally in Microsoft datacenters**

**Open sourced OCP contribution**

**New IaaS VMs available to customers**

## Fv2 VMs are now available, the fastest VMs on Azure

Posted on October 23, 2017



**Corey Sanders**, Director of Compute, Azure

# Project Olympus | Ecosystem Partners

Compute



Components



Solutions



*Announcing Commercial Product Availability*



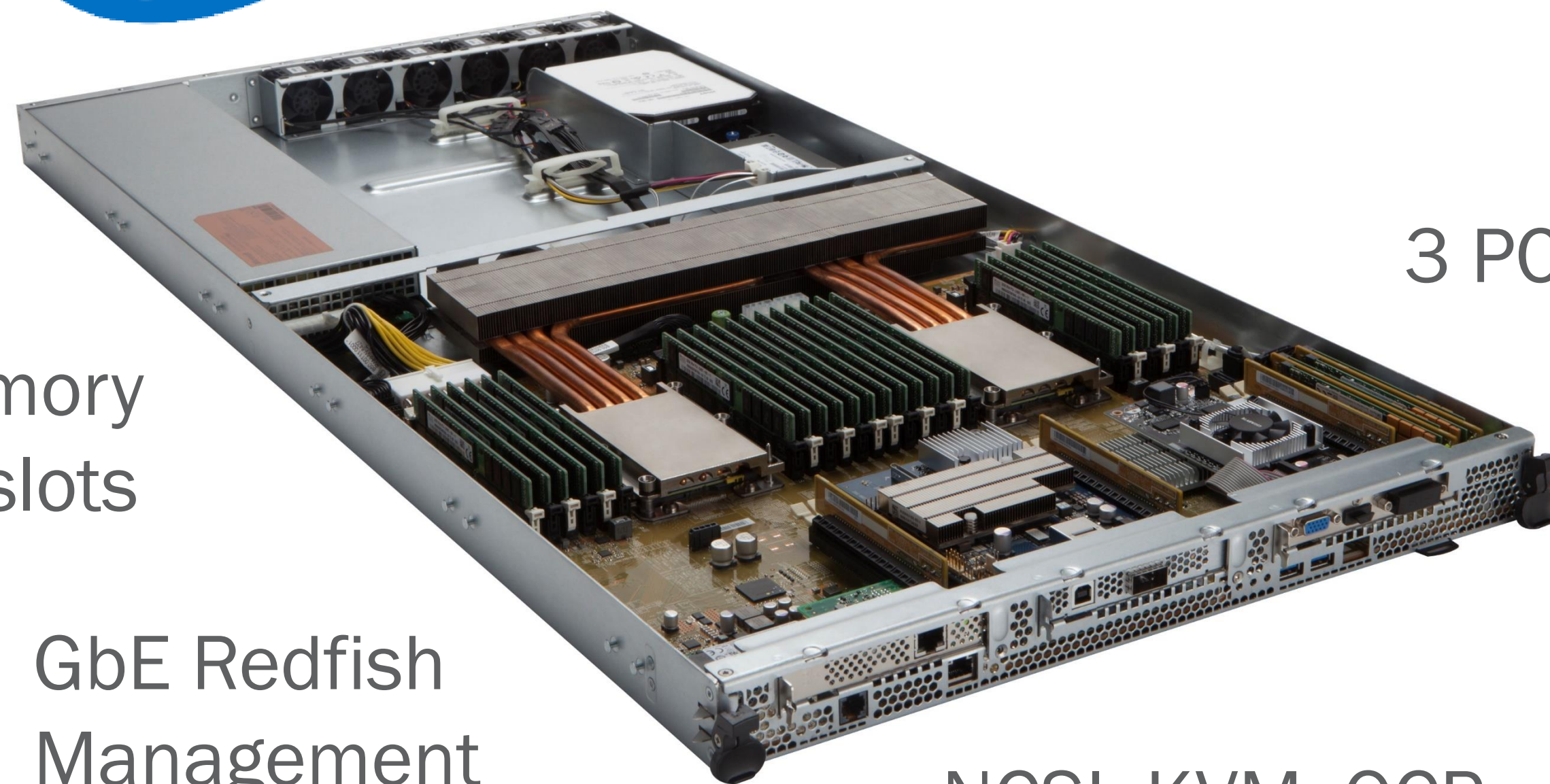


# 1U SERVER

## PROJECT OLYMPUS SERVER SETS THE STANDARD



Intel® Xeon® Scalable Platform



DDR4 memory  
24 DIMM slots

3 PCI-E x16 FHHL slots

GbE Redfish  
Management

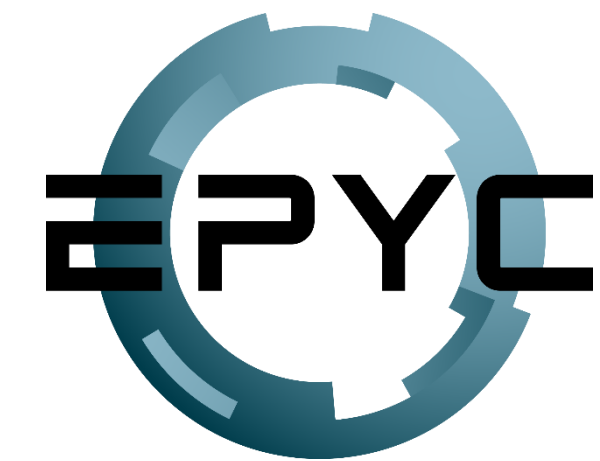
NCSI, KVM, OCP  
mezz enabled

Up to 16 M.2  
CloudSSD



# ECOSYSTEM MOTHERBOARDS

## PROJECT OLYMPUS SERVER BUILT BY THE ECOSYSTEM



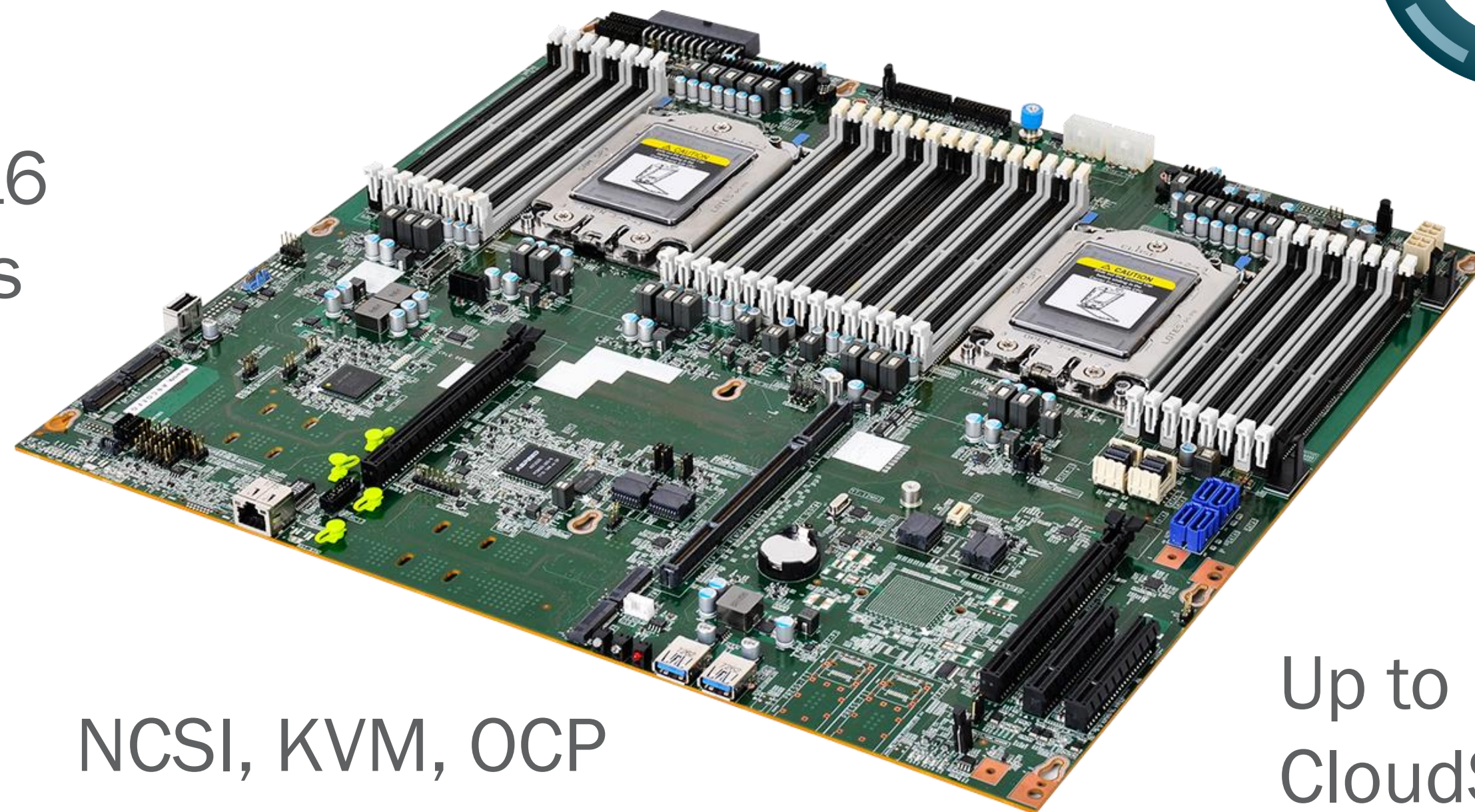
3 PCI-E x16  
FHHL slots

DDR4 memory  
32 DIMM slots

GbE Redfish  
Management

NCSI, KVM, OCP  
mezz enabled

Up to 16 M.2  
CloudSSD





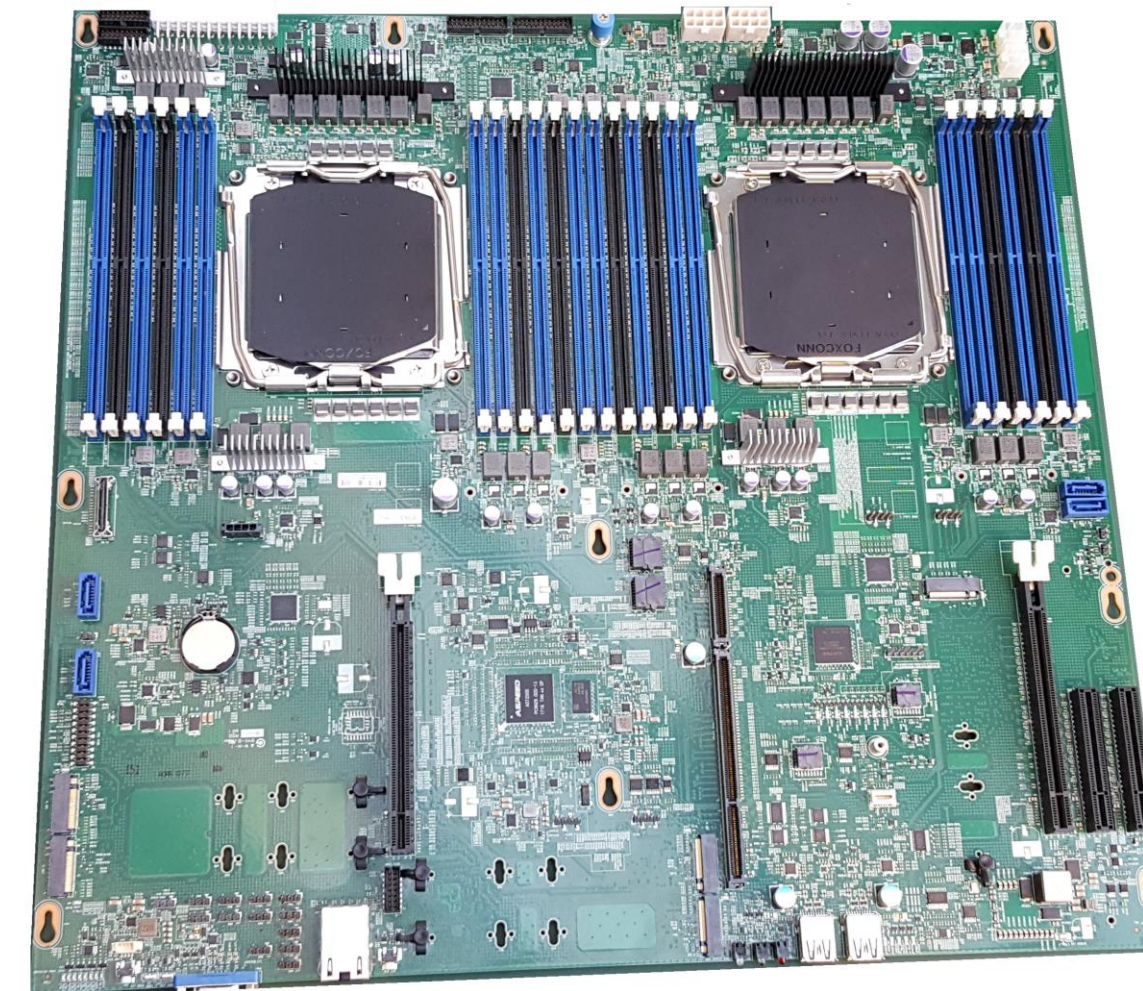
# ECOSYSTEM MOTHERBOARDS

## ARM SERVERS

QUALCOMM®



CAVIUM





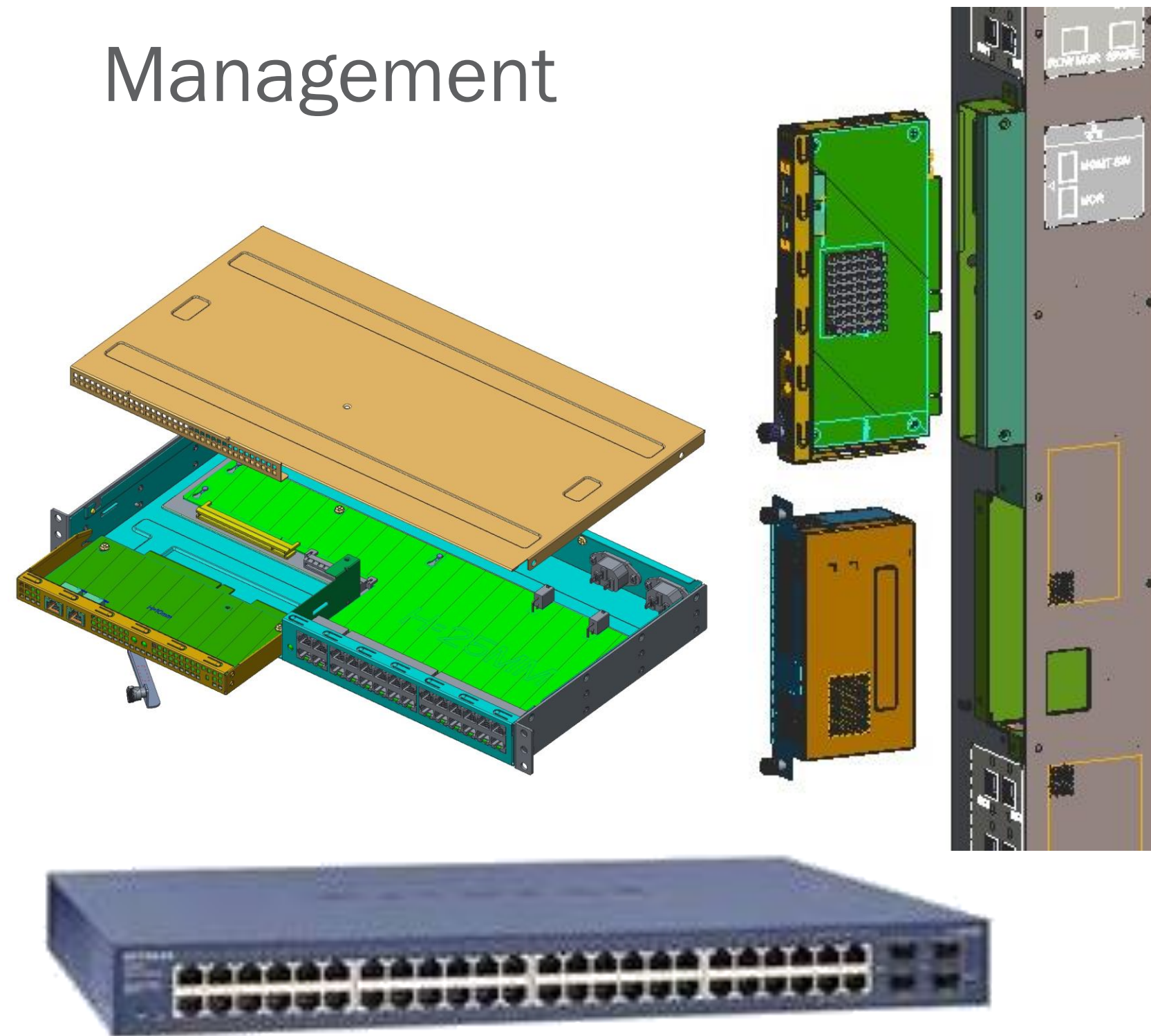
# 19" EIA RACK POWER & MANAGEMENT

## NO-FRILLS HIGH CAPACITY RACKS

Universal Power Cord



Management

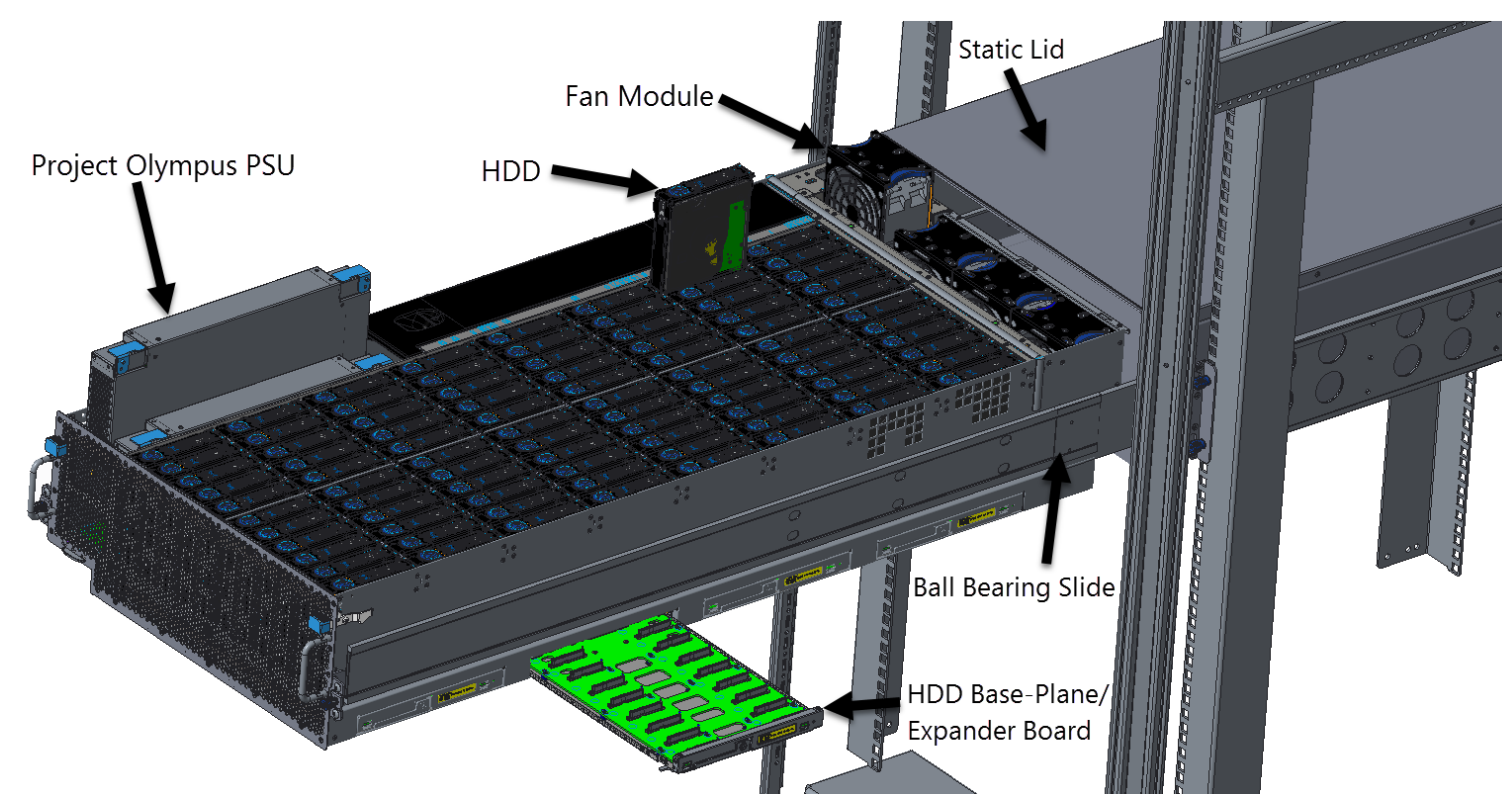




# Expansion Chassis Spec Contributions

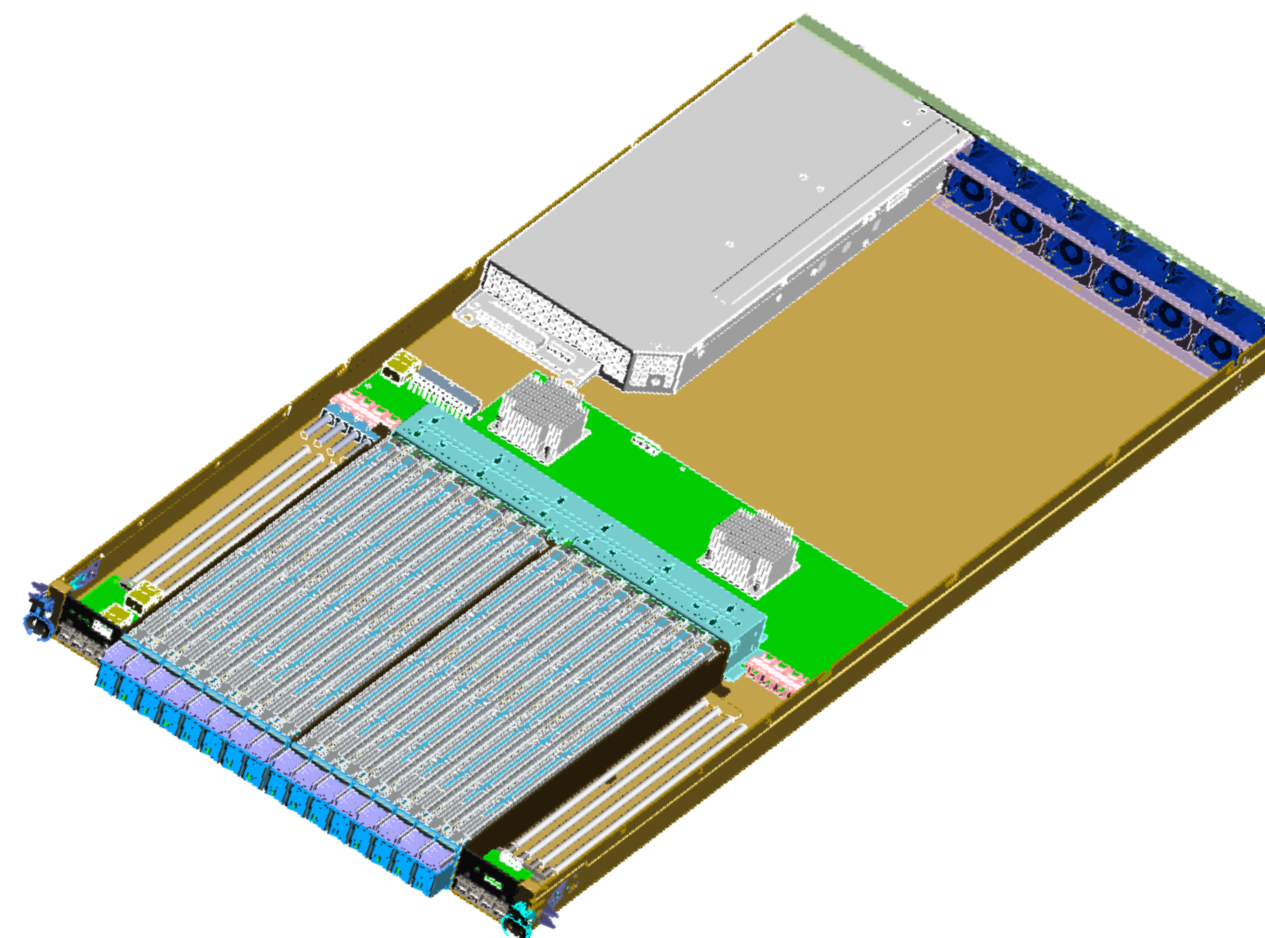
## DX-88 DISK EXPANSION

88 Hot-Swap Hard Disk Drives



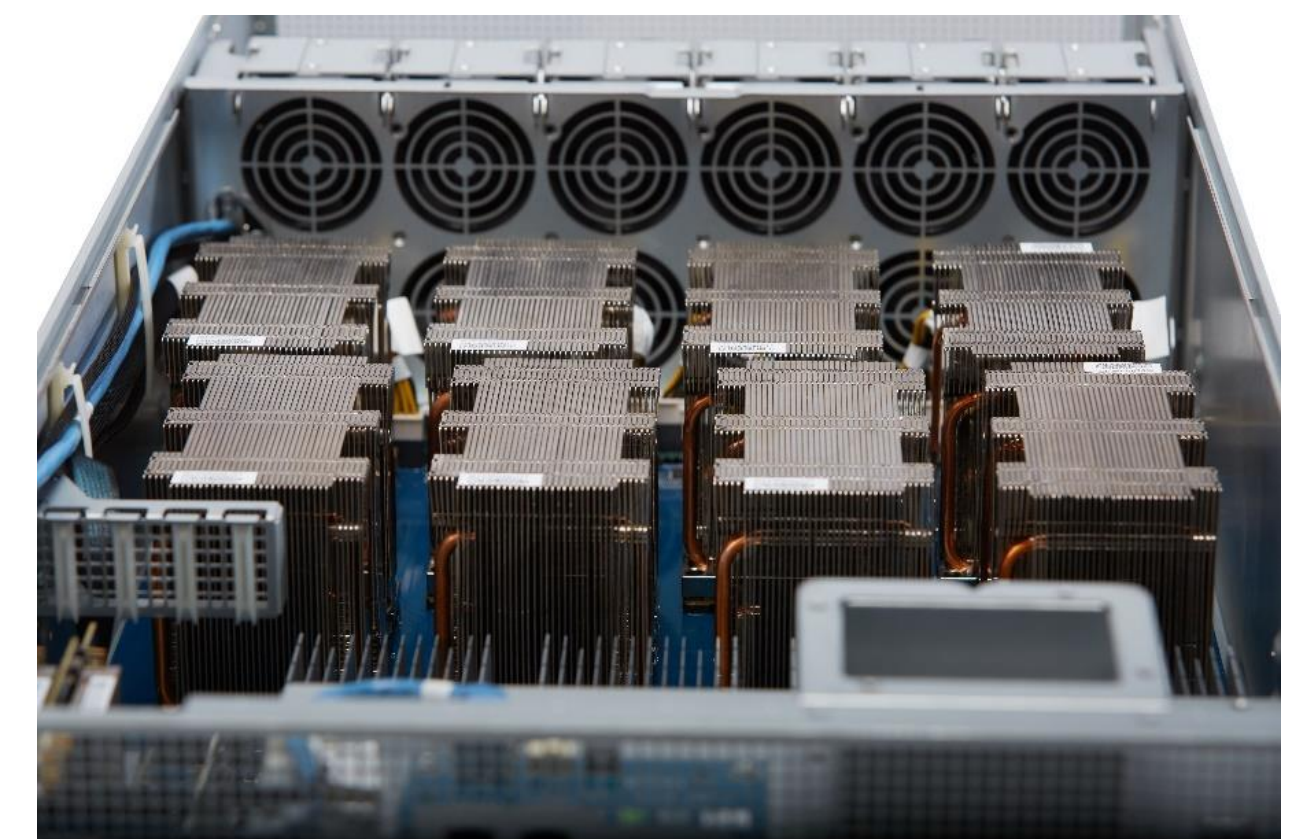
## FX-16 FLASH EXPANSION

16 Flash Modules  
256+TB



## HGX-1 GPU EXPANSION

8 NVLINK ENABLED GPUS





# HOW TO DOWNLOAD

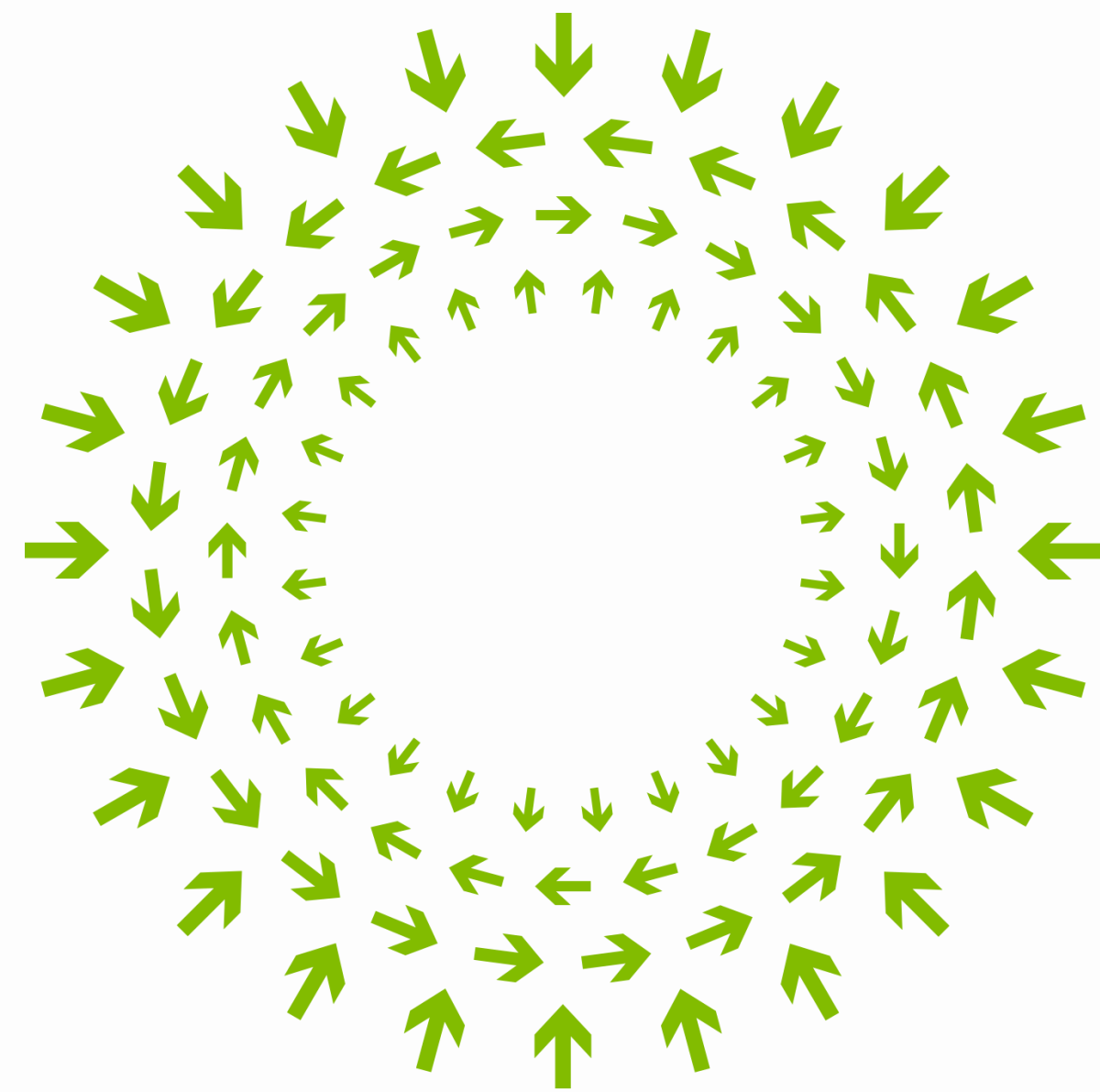
## COMMUNITY PARTICIPATION

*Commercial Product Availability from **wiwynn** and **zt** Systems*

<http://www.opencompute.org/wiki/Server/ProjectOlympus>

[http://www.opencompute.org/wiki/Server/ProjectOlympus/Project\\_Cerberus](http://www.opencompute.org/wiki/Server/ProjectOlympus/Project_Cerberus)





# OPEN

Compute Project

