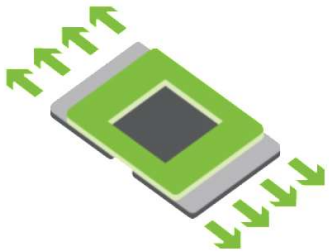
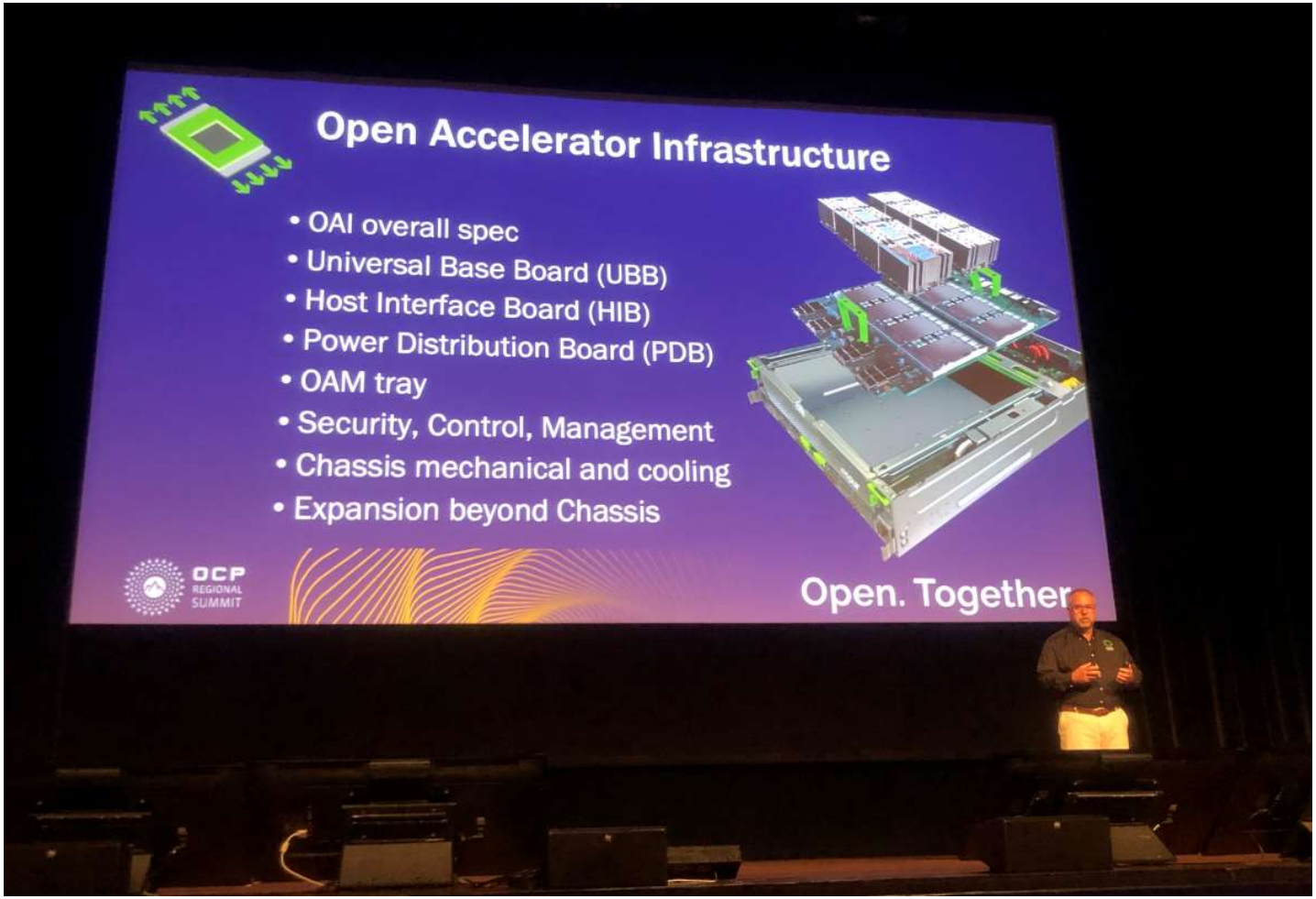


OAI Group Monthly Update(OCP Regional Summit)

10092019

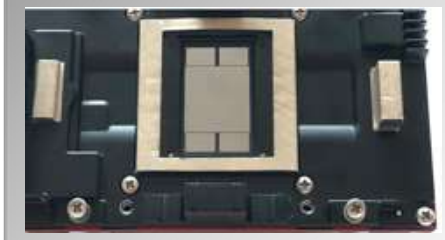
OAI Group@OCP Regional Summit
lightning talk/workshops/panel discussion

Talks	Session Title	9/26-9/27
LN	Open Accelerator Infrastructure Project lightning talk	
WS1	Open Accelerator Infrastructure Overview	13:00-13:15pm
WS2	OAI-UBB: Universal baseboard for OCP Accelerator Module	13:20-13:40pm
WS3	OAM Reference Systems Design Joint Review	13:45-14: 25pm
WS4	System management, security on OAI	14:30-14:50pm
WS5	Cooling solution on OAM Reference systems	14:55-15:15pm
Panel	OAM Panel discussion	15:20-16:00pm


Open Accelerator Infrastructure
• OAI overall spec
• Universal Base Board (UBB)
• Host Interface Board (HIB)
• Power Distribution Board (PDB)
• OAM tray
• Security, Control, Management
• Chassis mechanical and cooling
• Expansion beyond Chassis
OCP REGIONAL SUMMIT
Open. Together.

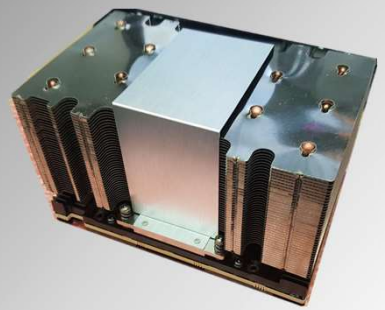
OAM

- Spec v0.85 released on March 14, 2019
- Spec v1.0 released on July 31, 2019
- We are working with accelerator suppliers to enable their OAM-based solutions



Nervana™ NNP-T OAM
Intel

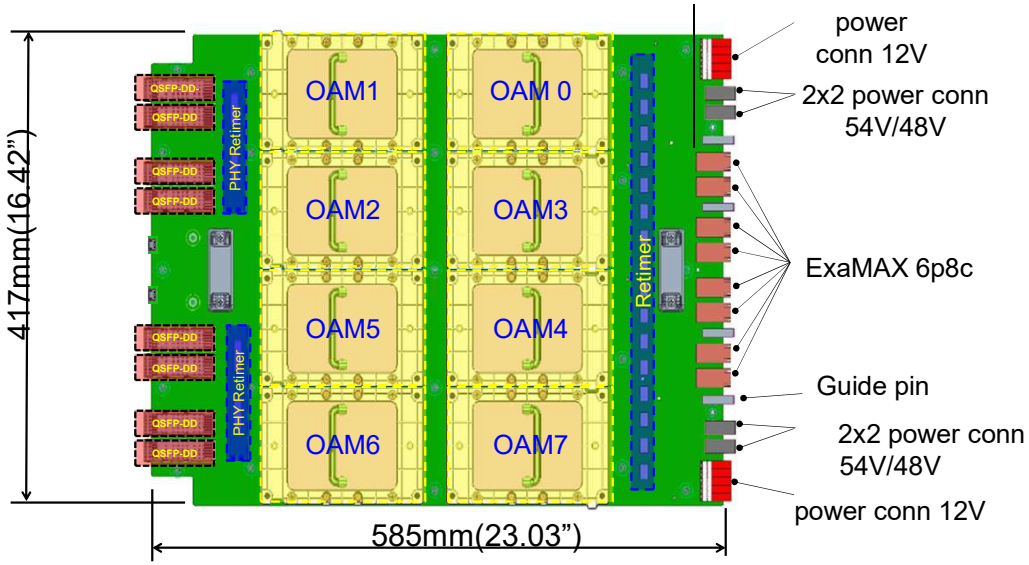
Gaudi OAM
Habana



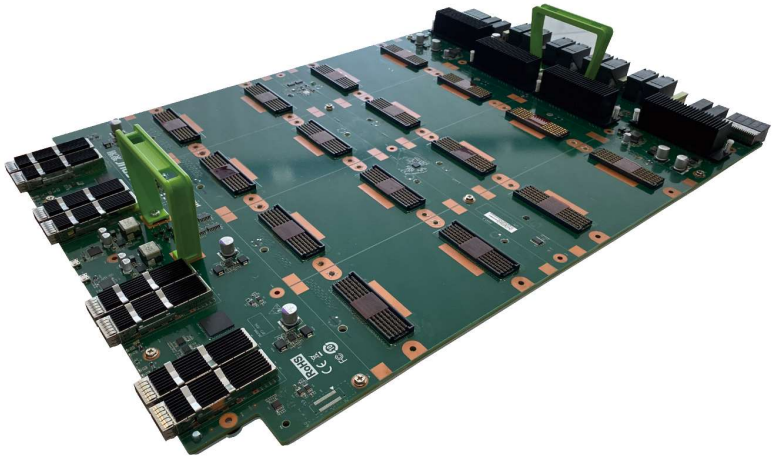
POC OAM
AMD

V100 POC OAM
Nvidia

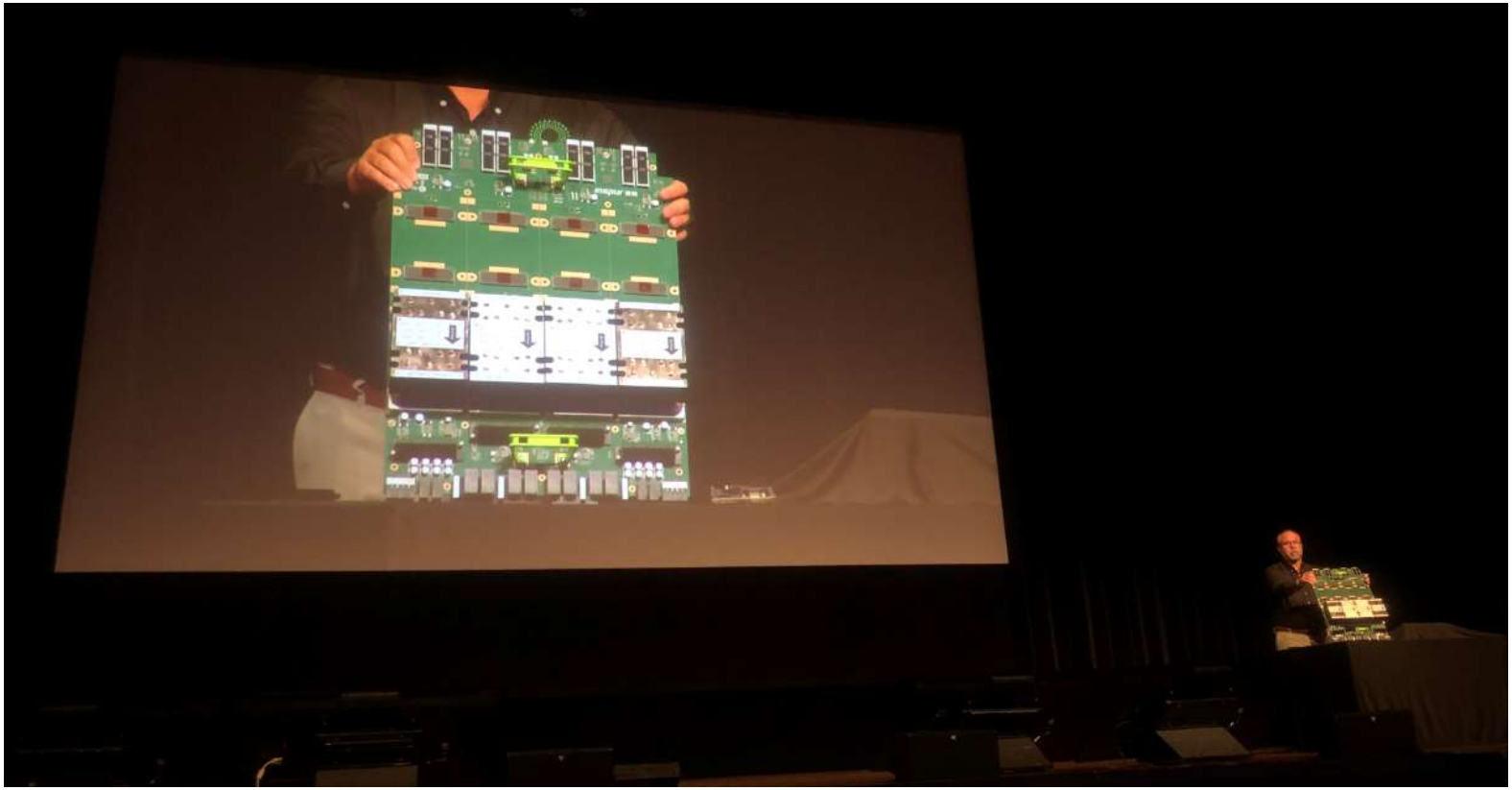
Universal Baseboard



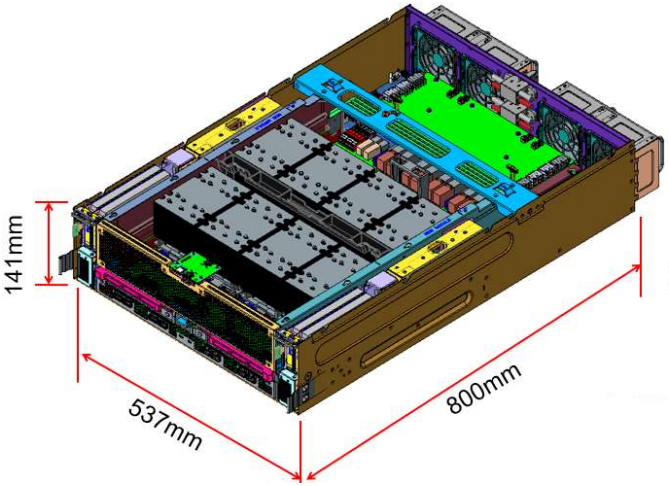
- Supports both 19'' and 21'' rack
- Supports 54V/48V and 12V
- Supports different interconnect topologies
- 8* QSFP-DD connectors for scale-out



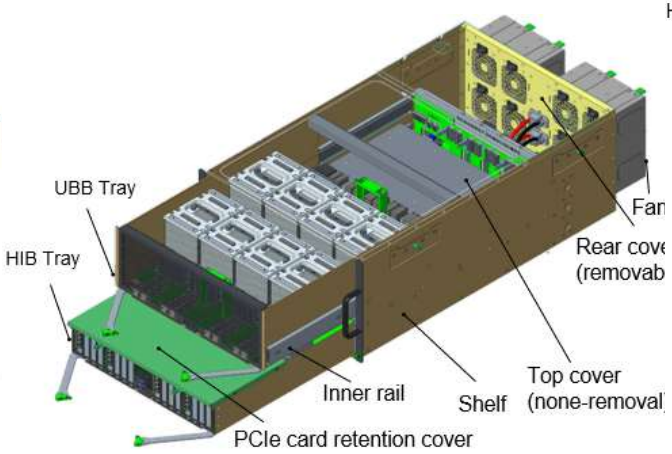
UBB workshop :
9/27 1:20pm



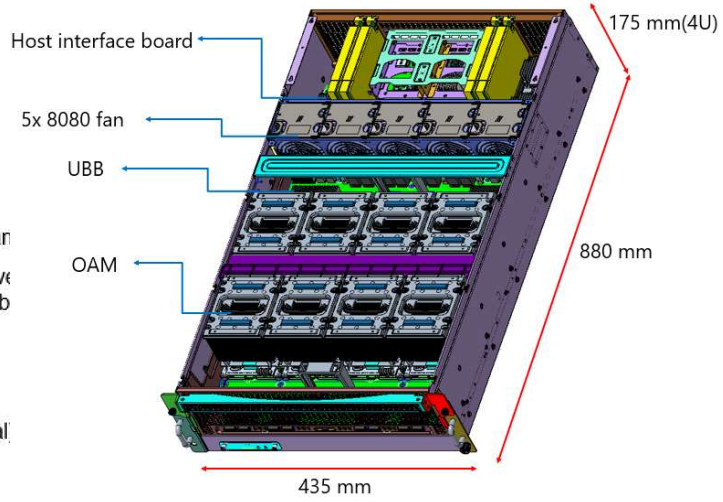
OAM Reference Systems



inspur



hyve design solutions

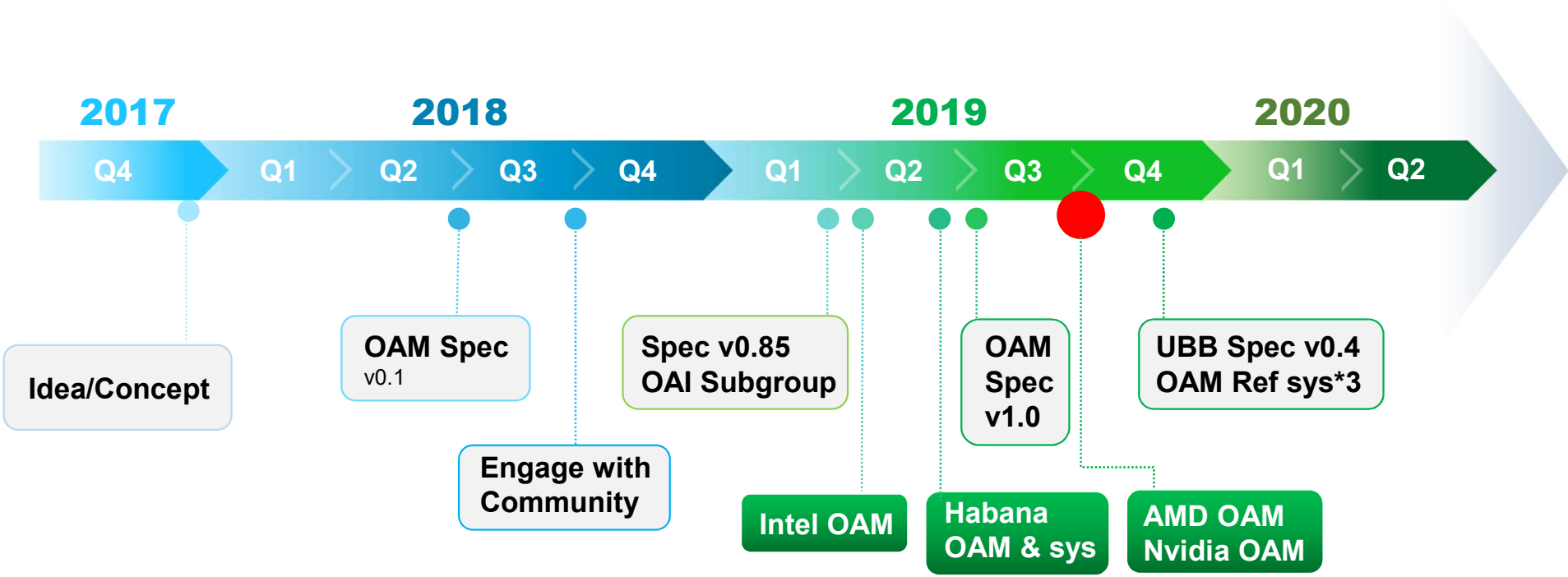


zt Systems Inventec

- OAM
- UBB
- Tray

Ref Sys workshop:
9/27 1:45pm

OAI/OAM Timeline



09/2019

OAM
Open Accelerator Infrastructure (OAI)
facebook
Alibaba Group
intel
Qualcomm
XILINX
habana
zt Systems
Mellanox TECHNOLOGIES
京东云
Microsoft Azure
NVIDIA
BittWare a molex company
Cambricon 寒武纪
TE connectivity
Baidu 百度
Google
inspur
Lenovo
Enflame
AMD
IBM
wiwynn
hyve design solutions
CoolIT systems
GRAPHCORE
Tencent
molex
PENGUIN COMPUTING
Amphenol
BROADCOM
QCT
Inventec
MICROCHIP

OAI JDA Group

OAI Experiencing Lab

Backup