

Inspur SC19 OCP AI Solution Presentation

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About Inspur

• Inspur Server Retains Fastest Growth in 1HY19



World No.3 in shipment and revenue for 5 consecutive quarters



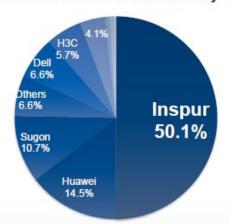
Server Revenue 60%+ CAGR in past 5 years based on Inspur' financial report



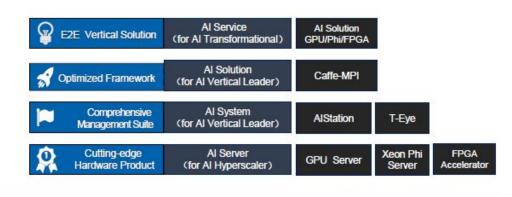
The only OEM that retains positive growth in 1H19

AI Market Leadership

2018 Al Server Market Share by Vendor







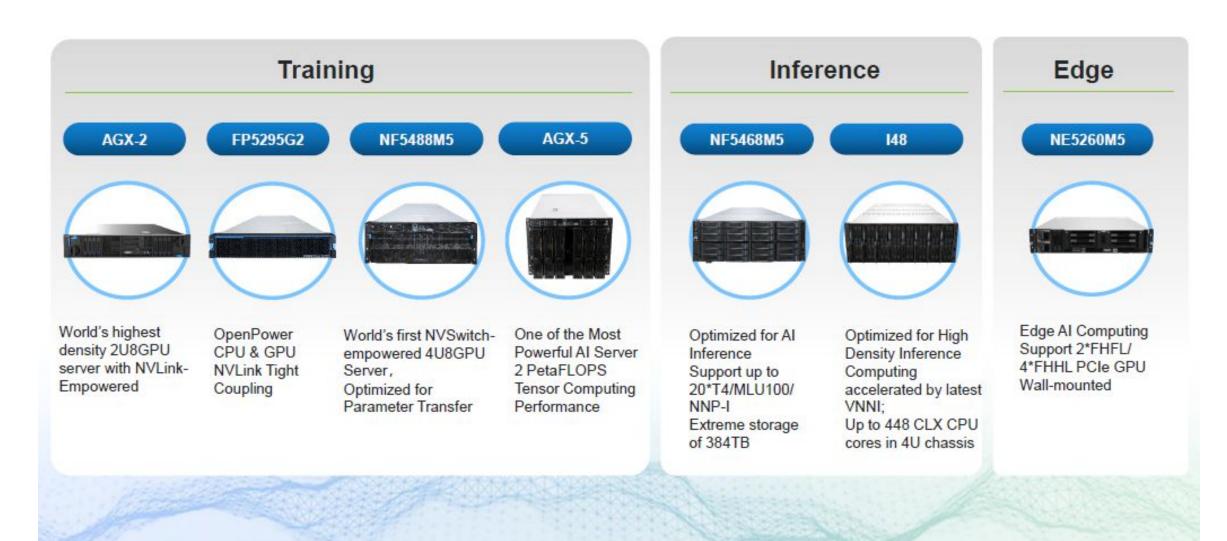
2019/1- Inspur named as SPEC ML 1st Chairman



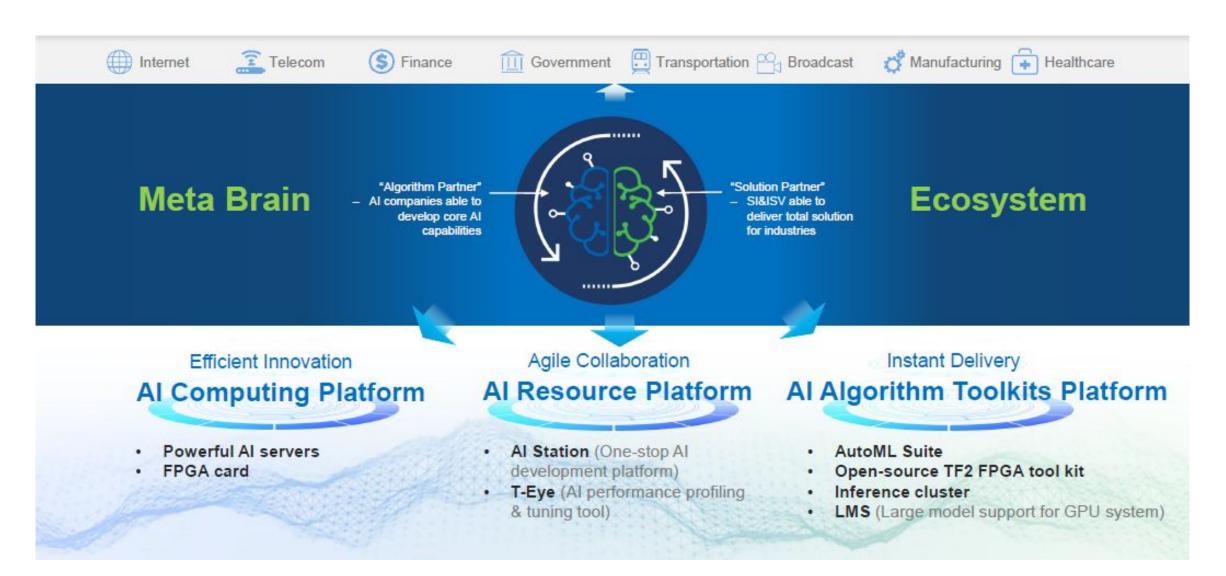
Ranking	Vendor	2Q19/2Q18 Unit Growth
1	Dell	-16.8%
2	HPE	-5.8%
3	Inspur	14.6%
4	Lenovo	-19.2%
5	ODM direct	-7.3%

Ranking	Vendor	Growth Rate
1	Dell	-13%
2	HPE	-3.6%
3	Inspur	32.3%
4	Lenovo	-21.8%
5	ODM Direct	-22.9%

Powerful Al Servers



Inspur Meta Brain Eco-Plan: Join to from great power and make difference



Cluster Cloud Empowered by Inspur Al Station Solutions

AlStation Case Study: Video Processing

60+ Training Servers, **500+** GPUs; **6** Algorithm Teams, **70+** Members

Al Station Development Platform

Task-Balance Strategy: S-3 H-10; Resource-Quota Strategy: 24 Resource-Group Strategy: P100, V100; GPU Sharing Strategy: 6



Sharing Strategy: 32 GPUs support simultaneous development and testing for 70 people;

Task Queuing: nights and holidays are taken advantage of, obtaining 20% improvement in utilization;

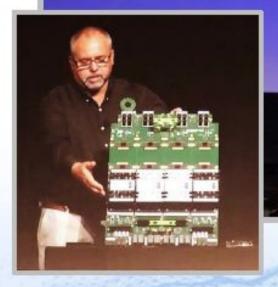
Dynamic Allocation: Developers work on 4-5 tasks simultaneously, reducing the development period to 1/3;

Resource Utilization: improves from 70% to 90%.

Leading OAI (Open Accelerator Infrastructure) Design

Open Accelerator Infrastructure

- Open Accelerator Module (OAM) spec released
- Universal Baseboard (UBB) spec in development
- Inspur showing first UBB today
- · Prototype samples today at the Summit
- · Inspur announces developer systems support





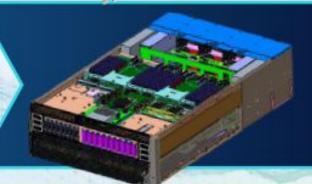


Baidu & Inspur X-Man 4.0

Announced in OCP summit, Amsterdam



Inspur 21" OAM reference Platform



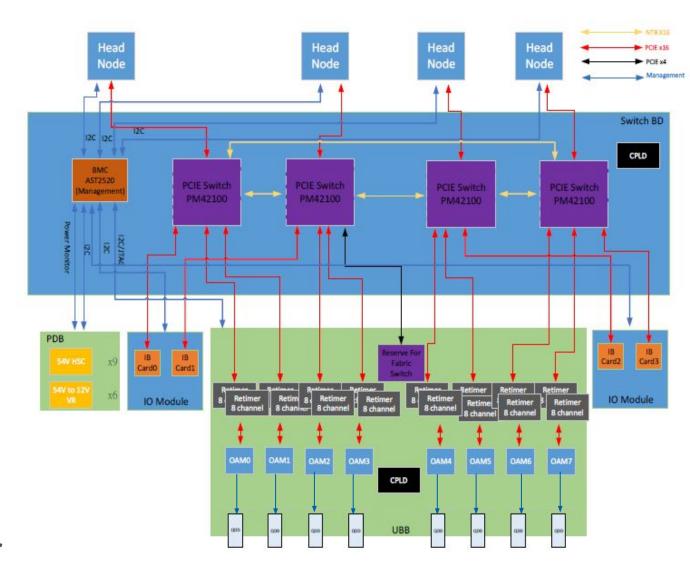
NF5488M6 6U 8x Al Acceleration Module

OCP CTO Bill Carter show Inspur UBB on OCP Global Summit

Inspur Al Server for Open Compute Object(OCP)



- 21-inch 3OU System
- Flexible JBOG Solution
- 8*OAM Modules with Universal Backplane
- Fully Connect Sale out
- 8* PCIE x16 High IO Expansion
- Deep Learning Training & Training Cluster

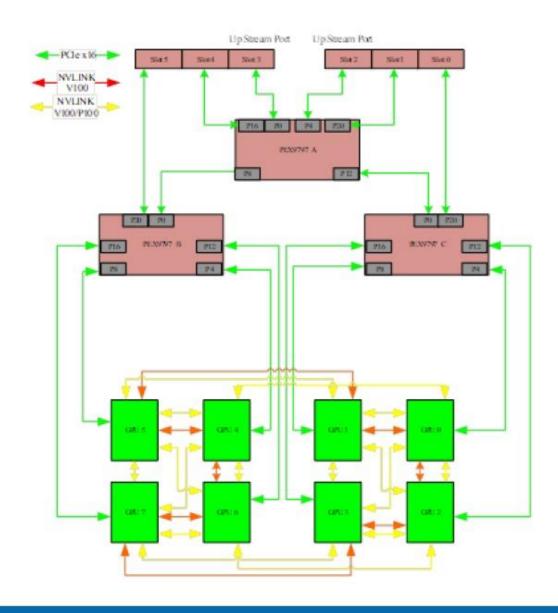


Inspur Al Server for Open Compute Project(OCP)

Mission Bay Project



- 21-inch 3OU JBOG System
- Flexible topology for different application
- 8* NVidia Tesla V100
- 6* PCIE3.0 x16 FHHL for IO Expansion
- Open Rack V2 Compatible



Inspur Al Server for Open Compute Project(OCP)

Whistler Project



- 19-inch 3U 4-Socket Head node
- Olympus Architecture Compatible
- 4* Xeon Processors with 24* DIMMs
- 10* PCIE3.0 x16 slots for IO Expansion
- 1600W PSU 2+2 Redundancy

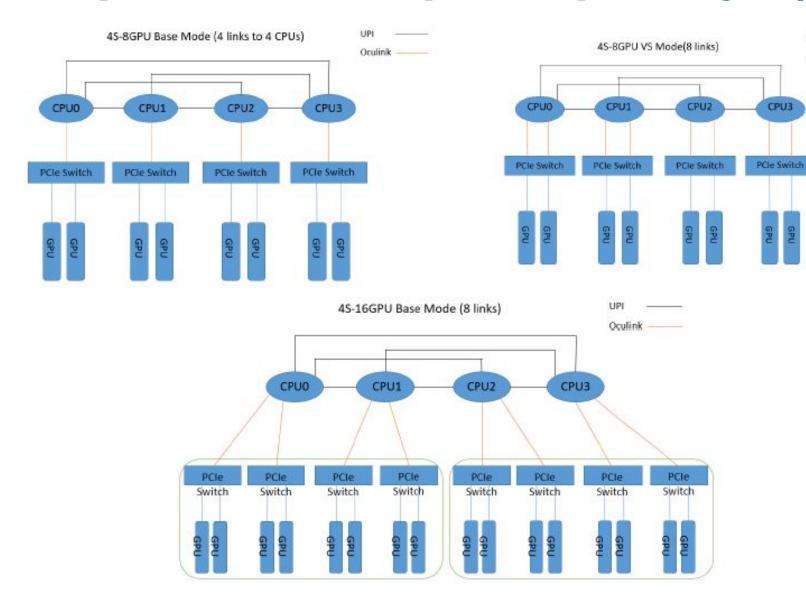


Olympus 4S system can serve as head node to connect with 1, 2 or 4 GPU expansion boxes (such as HGX-1).

Bring up to 8* PCIe x16 links for CPU-GPU communications. Great scale-up capacity for large neural network models.

Support more CPU cores and memory capacity. Improved 42% training performance on certain deep learning framework comparing to 2S.

Inspur Al Server for Open Compute Project(OCP)



Flexible CPU-GPU interconnection topologies based on different workloads

Oculink -

CPU3

Thank you

