

Next-Generation Cloud Infrastructure in the Age of AI

Wiwynn OCP, Project Olympus, and 19" Solutions

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Wiwynn Corporation





- ◆ Mainly owned by Wistron Corp.
- ◆ Established on April 2, 2012

A Value Partner for Customers in Cloud Service Business

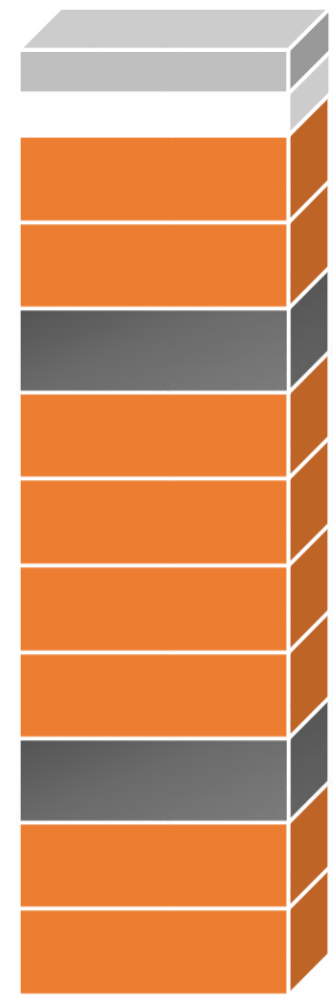
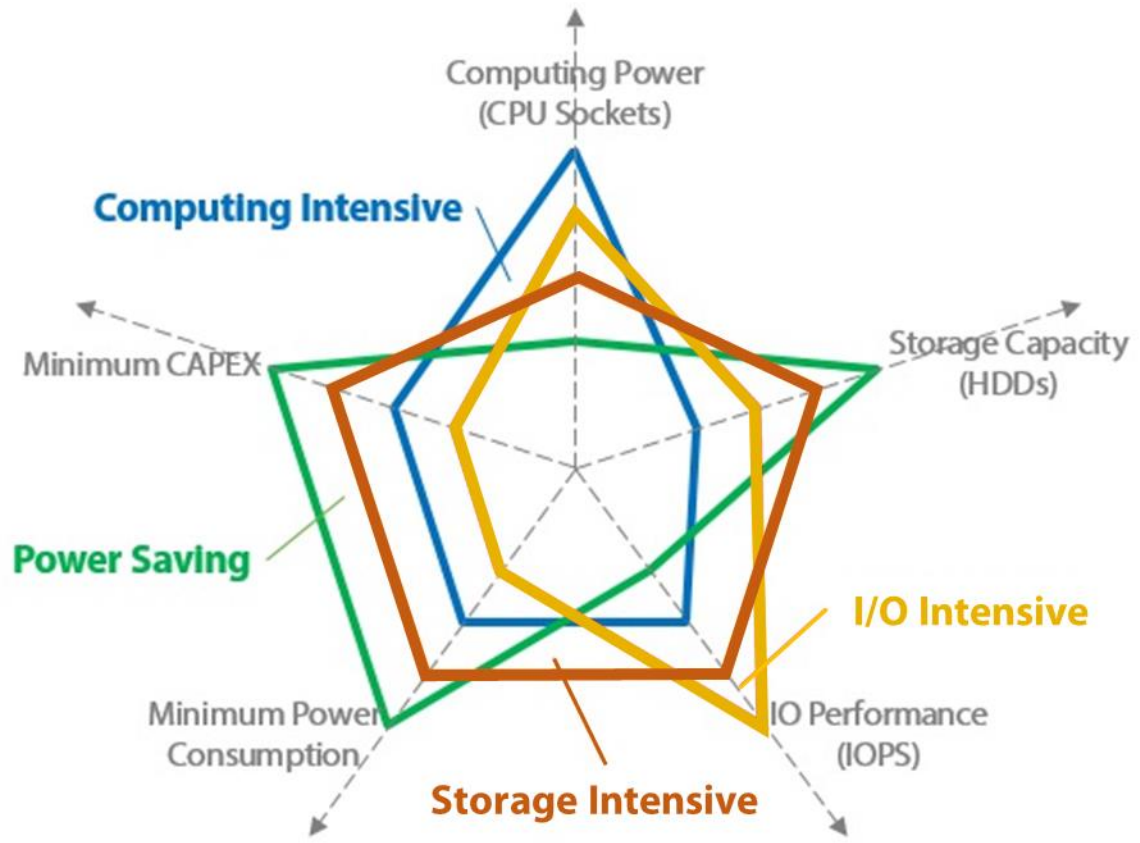


Mission

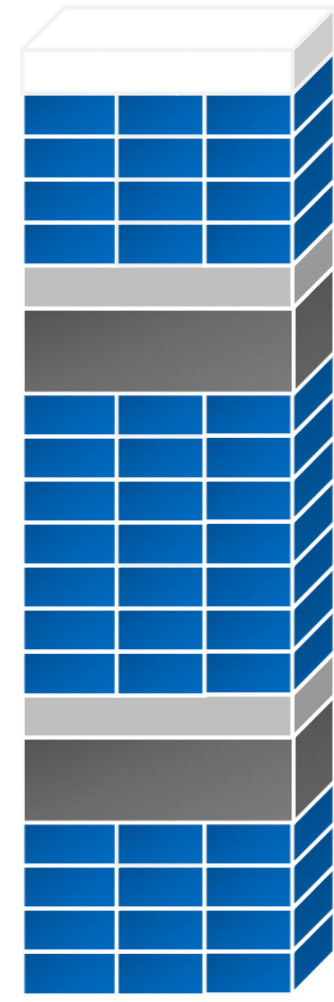
$$\text{Customer Value} = \frac{\text{Workload Performance}}{\text{Total Cost of Ownership}}$$



Actively Proposing Workload Optimum Platform



Storage Intensive



Computing Intensive



I/O Intensive



Wiwynn Footprints

Brno, Czech Republic



San Francisco, USA
Wiwynn International Corporation



Juarez, Mexico



Zhongshan, China



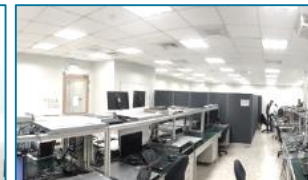
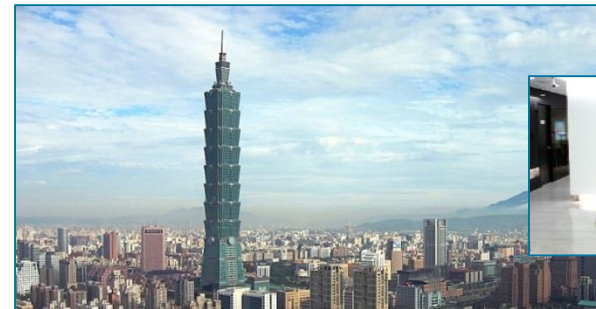
Shanghai, China
Wiwynn Technology Service (China)



Tokyo, Japan
Wiwynn Technology Service (Japan)



Taipei, Taiwan (HQ)
Wiwynn Corporation





Cloud Infrastructure Grows into an Age of AI



DEMANDS

Fundamental Demands
For Various
Applications

APPLICATIONS

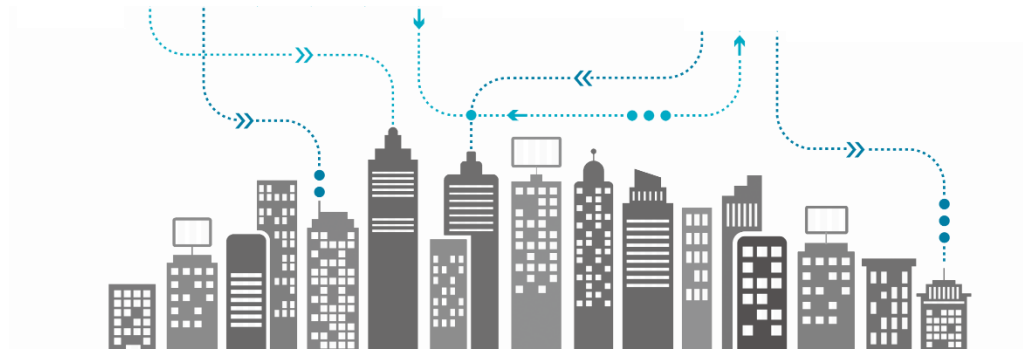
Various Evolving
Applications

INFRASTRUCTURES

Building blocks and IT
Gears on Advanced
Technologies



3 Next Generation Cloud Infrastructures



INFRASTRUCTURES

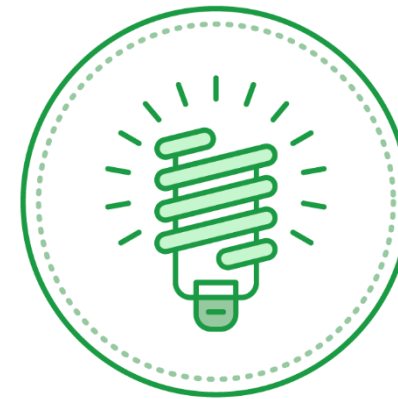
Buildin blocks and IT
Gears on Advanced
Technologies



OCP
Infrastructure



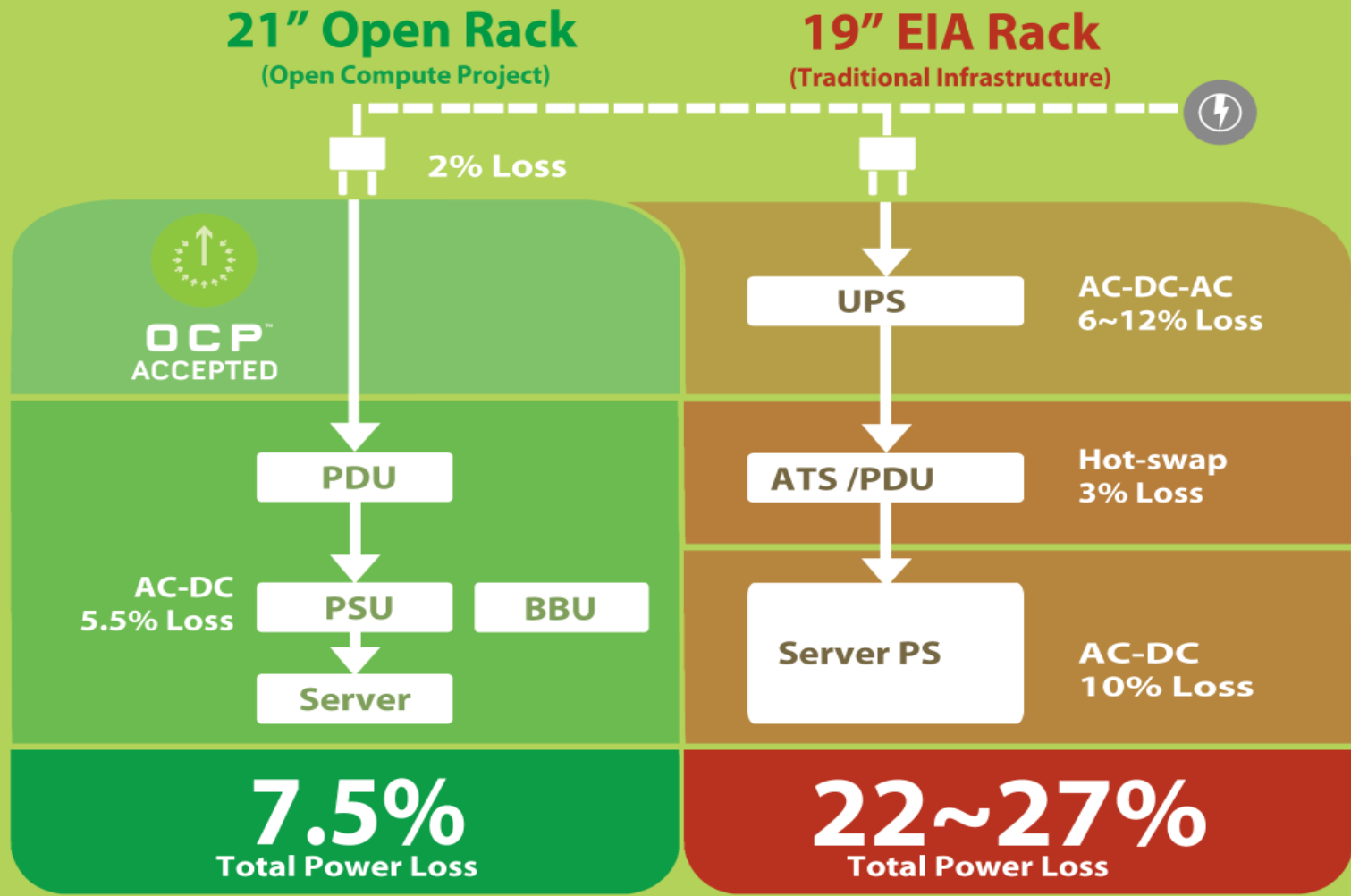
Project Olympus
Infrastructure



19"
Infrastructure



Open Compute Project Infrastructure



Wiwynn OCP Solution Reduces Power Loss by **20%**



Project Olympus Infrastructure



NEXT-GEN CLOUD HARDWARE

Open sourced cutting-edge Hyperscale cloud hardware developed at Microsoft



OPEN SOURCE DEVELOPMENT MODEL

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



INDUSTRY ECOSYSTEM

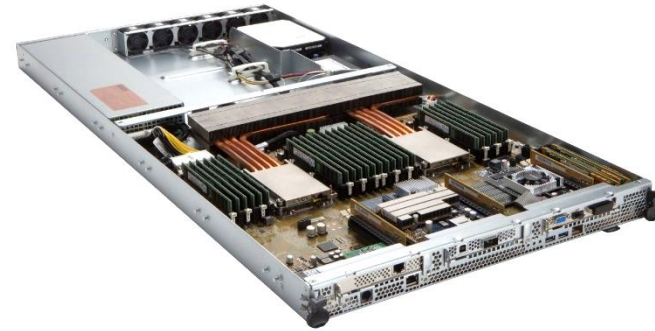
Bootstrap a vibrant ecosystem in OCP for the next generation of datacenter hardware



Project Olympus Product Family



SV5100G3



- DDR4 memory
- 24 DIMM slots
- GbE Redfish Management
- 3 PCI-E x16 FHHL slots

ST5100G3



- Hot-Plug NVMe storage
- Flexible design for M.2 and Ruler NVMe SSD
- Front I/O

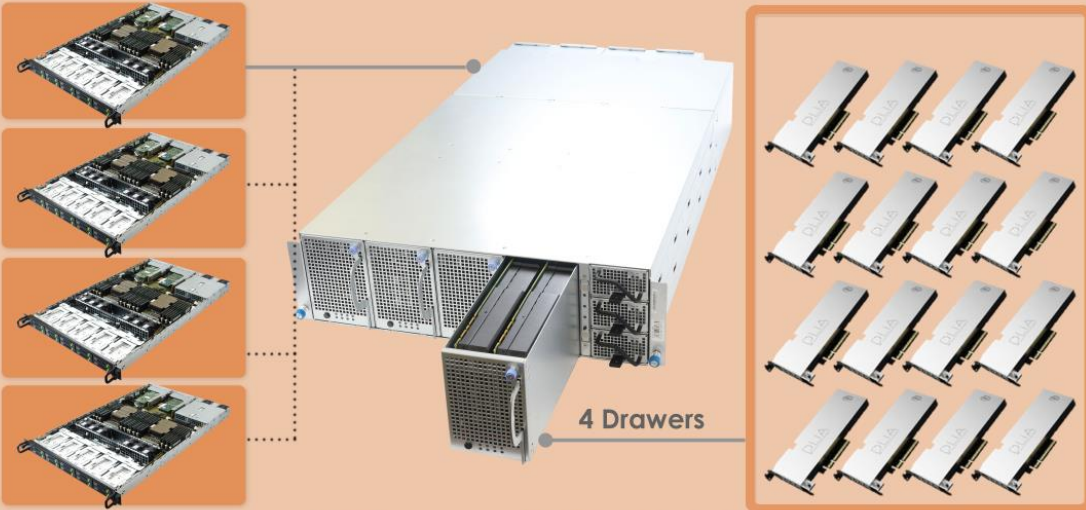


Best HW Platform for Compute Accelerator

4U16x Compute Accelerator

Connecting 1 to 4 Hosts

16 Intel® FPGA Cards

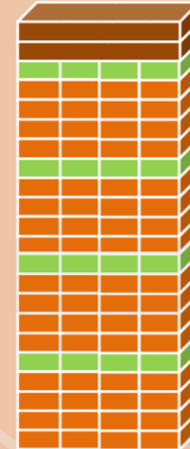


(Wiwynn® XC200)

Optimized Rack with FPGAs for Inference

128 FPGAs*

36 GPGPUs*



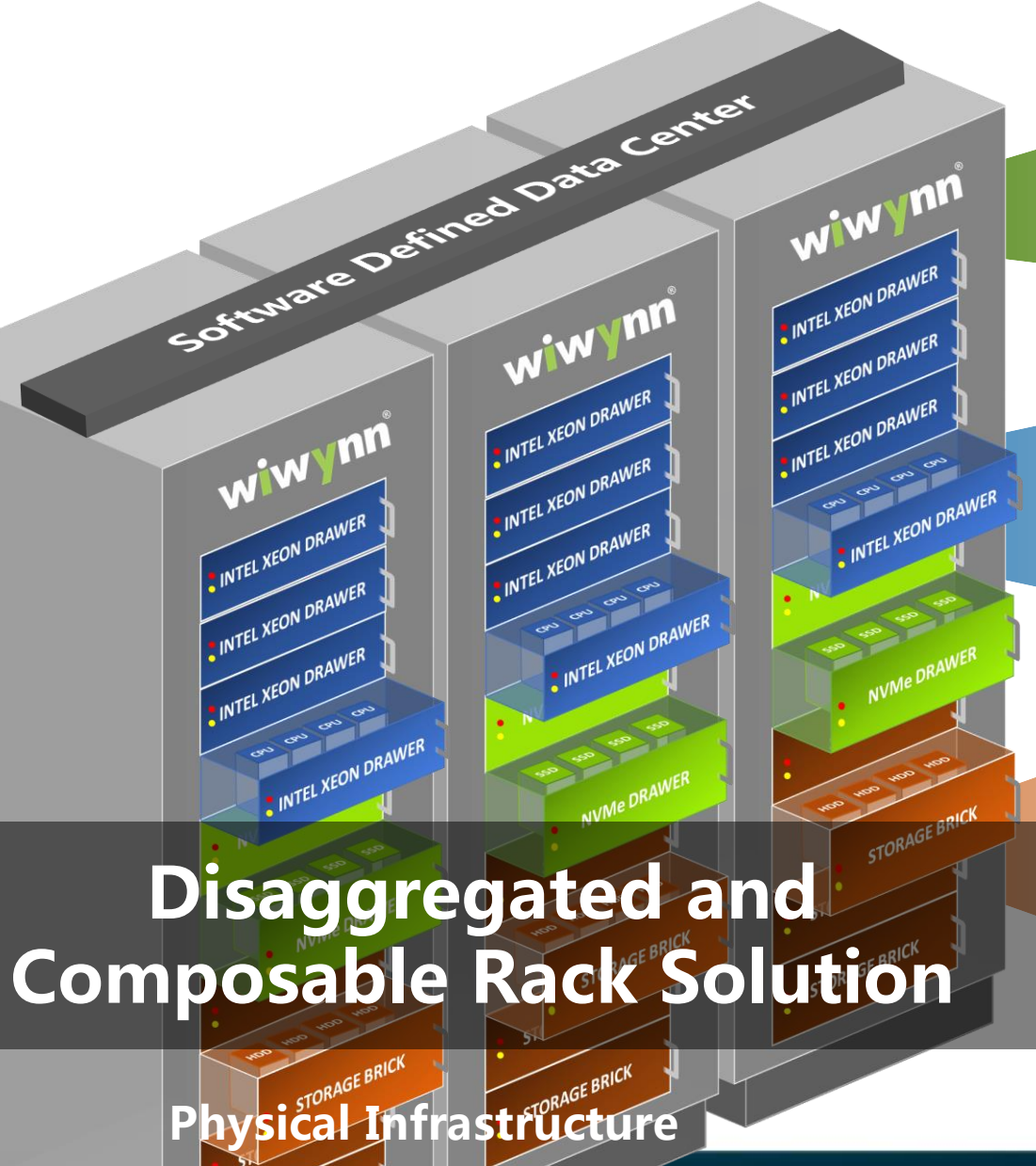
- 100% Rack Utilization
- Modularized Design
- Disaggregated Solution
- Easy Scale-out Accelerator

*Based on 9kw Power Consumption





Software-Defined Data Center



Disaggregated and Composable Rack Solution

Physical Infrastructure



BIG DATA ANALYTICS



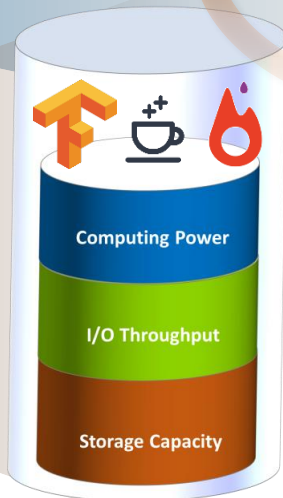
CLOUD SERVICE

Scale Up Dynamically

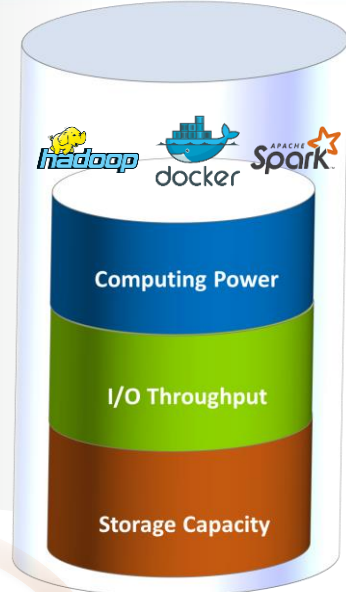


AI

Logical Infrastructure



Logical Infrastructure



Logical Infrastructure

Optimize for Workload



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