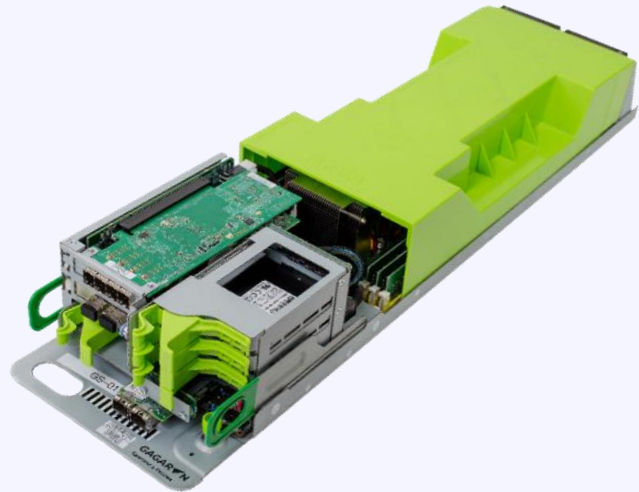**Shanghai United International Company**

TITAN | Server is server hardware is produced in compliance with the Open Compute Project (OCP) international standard and is designed for dynamically expanding high load infrastructures:

- virtualization and VDI platforms;
- container and micro-service architectures;
- hyperconverged solutions and software-defined storage (SDS).

Open architecture servers for information systems that vary in complexity and performance.

OCP specifications and Shanghai United International Company solutions feature complete architectural openness, avoidance of proprietary dependence, energy efficiency and ease of maintenance.

No own electrical power supplies

The server is powered from the rack power supply via a common 12V bus, which ensures higher rack energy efficiency.
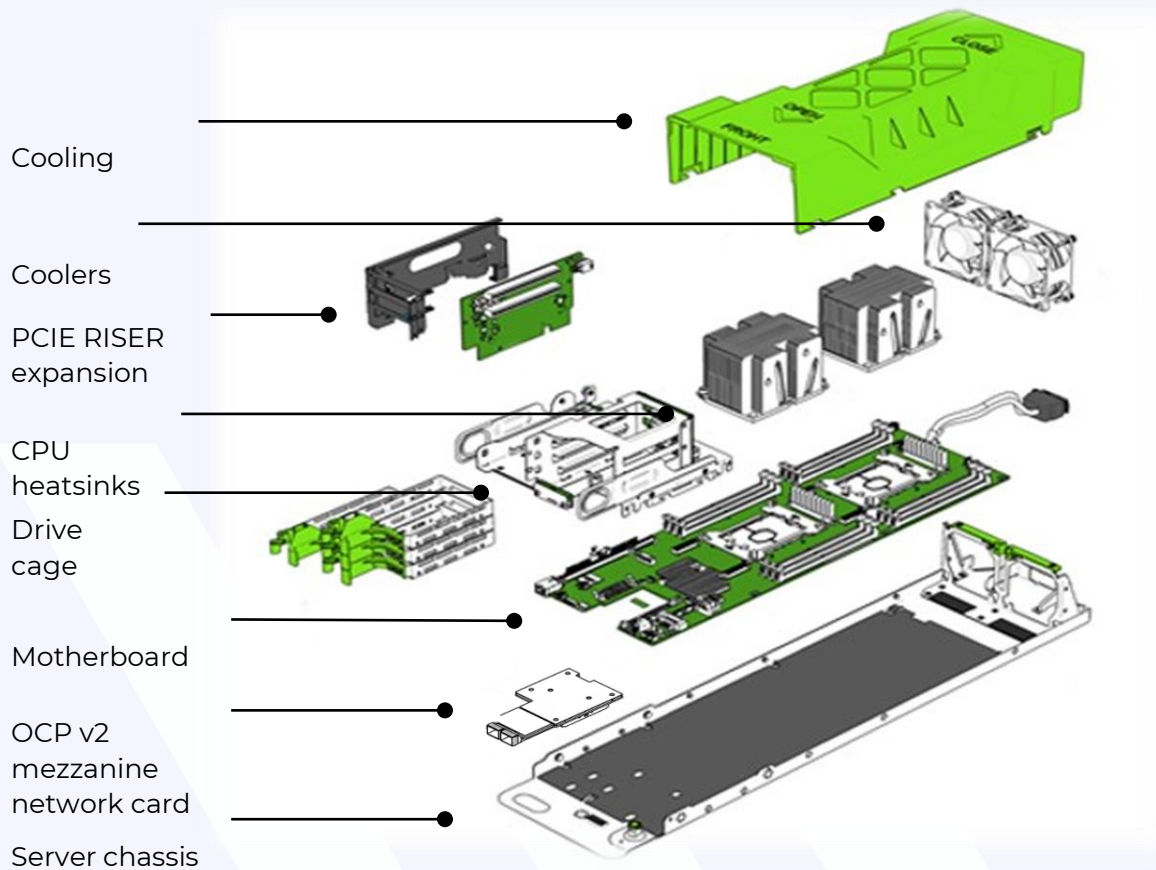
Server open circuitry and structural design

No dependence on the components of one specific vendor, which enables hardware cost optimization.

Server maintenance is performed only from the front side (cold aisle), with no tools required

No screws; instead, latches, clips, slides and quick-release design solutions are in use. This allows for reducing maintenance costs and saving up to 30% of staff time.

Thus, Shanghai United International Company solutions significantly reduce the total cost of the computing infrastructure ownership, increase the mean

time between failures (MTBF) of server components, and increase the mounting

Cooling

Coolers

PCIE RISER
expansion

CPU
heatsinks

Drive
cage

Motherboard

OCP v2
mezzanine
network card

Server chassis

density in the server cabinet up to 60 servers in one rack.

TITAN | Server technical specifications

Form factor:	• Three servers in a single 2OU OCP v2 chassis
Processors:	• Up to two 2nd Gen Intel® Xeon® scalable processors • Up to 56 cores per server • TDP up to 205W per CPU
RAM:	• 12 DDR4 memory slots, up to 1.5TB RDIMM in 128GB modules
Chipset:	• Intel C621
Expansion slots:	• 3 PCIe 3.0 slots: x16, x8, x8, 1 OCP 2.0 slot
Drive bays:	• 4 storage slots • 2.5" SSD SAS/SATA • 1 slot for M.2 PCI-E NVMe
Network interfaces:	• To the control network via built-in 100/1000 Mbps RJ45 Ethernet interface • To the data network via OCP 2.0 Mezzanine expansion board and/or PCI adapter

Ports and connectors:	• Front panel: 1xUSB 3.0 Type A, 1xUSB 3.0 Type C, 1xVGA (via adapter), 1xRJ-45
Server management:	• BMC controller ASPEED AST2500 • BIOS and BMC microcode by SUIC Tech • Supported protocols: IPMI 2.0, Redfish, SNMP, WebUI
Cooling units:	• 2 high performance 80 mm fans
OS support:	• POCA, RED OS, Astra Linux, ALT Linux, Microsoft, Red Hat, VMware, and other
Server dimensions (LxWxH), mm:	• 750x180x90
Server weight, kg:	• 5,0 (without processor heatsinks) / 6.0 (complete setup)