

Basic Specifications	
Name	Cluster Server R2
Model	2U rack cluster server
Architecture	ARM architecture
OS	Supports Android, Ubuntu, Linux
Scenario	Cloud phone, virtual desktop, edge computing, cloud gaming, cloud storage, blockchain, multi-channel video decoding, app cloning, etc.
Node Specifications	
Node	9 blade nodes Each blade node can be configured with 8 core boards, Blade node 9 can be installed with two 3.5 SATA/SSD hard disks (supports hot swag)
Number	Up to 72 pcs of core boards (432 pcs of ARM cores in total)
Core Board	RK3399 (AI) core board (Core-3399-JD4) : 6-core 64-bit processor with frequency up to 1.8GHz; on board NPU with up to 2.8 Tops computing power(optional) RK3328core board (Core-3328-JD4) : Quad-core 64-bit A53 processor with frequency up to 1.5GHz; supports 4K/1080P H.265/H.264 video hardware coding & decoding RK1808 (AI) core board (Core-1808-JD4) : Dual-core 64-bit A35 processor with frequency up to 1.6GHz; integrated NPU with up to 3.0 Tops computing power
RAM	Supports 4GB DDR3 / DDR4 / LPDDR4 RAM (Each core board can be optionally equipped with: 1GB / 2GB / 4GB )
Storage	Supports 32GB eMMC internal memory (Each core board can be optionally equipped with: 8GB/16GB/32GB/64GB/128GB) 3.5" SATA/SSD x2 (Blade node 9), supports hot swap SD card slot x1
BMC Module	
BMC	Integrated BMC management system, provides management interface based on Web. BMC management system supports customized development.
Network	Can connect to broadband of two different operators. Supports network isolation, link aggregation, network load balancing and flow control. Dual network controllers redundancy design (realizes network isolation), each controller has: 1000Mb Ethernet port (RJ45)×2 10Gb Ethernet port (SFP+)×2 BMC port×1 Console debug port×1
Display	1×Mini HDMI 2.0, 4K@60Hz (Master board)
USB	1 × USB3.0 HOST
Indicator Light	Master board working indicator: 1 pcs Core board indicators on each blade: 8 pcs; 1 pcs for 1 core board Side handle indicators: Fan 1, Fan 2, Switch module 1, Switch module 2, UID, BMC, Power 1, Power 2
Button	Reset×1, UID×1
Fan Module	
Fan	Two groups of fan modules: Fan module 1 (3×2 redundancy), Fan module 2 (2×2 redundancy)
Power Module	
Power	Dual-channel redundant power design: AC 100~240V 50/60Hz, 1300W / 800W optional
Appearance & Environment	
Size	Standard 2U rack chassis: 580mm x 434mm x 88.8mm
Temperature	Operating Temperature : 0°C - 35°C
Humidity	Operating Humidity : 8%RH~95%RH