



CSR2-N72R3588S

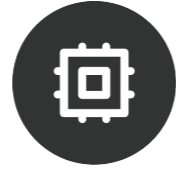
| Cloud Phone Server



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T-CHIP INTELLIGENCE TECHNOLOGY

Product features



RK3588S computing units

Up to 72 RK3588S octa-core 64-bit computing units can be configured, with each core frequency up to 2.4GHz, 6TOPS computing power and 576-core edge computing power. Each computing unit can be configured with 16GB LPDDR4 and 128GB eMMC large capacity storage, which can meet application requirements with large storage.



Virtualize tons of mobile phones

A single server can virtualize up to 720 cloud mobile phones. Operating multiple instances of an application at once, downloading applications at will, and logging in to 720 apps accounts at one time are supported. This server is widely applied to private domain traffic marketing, cross-border e-commerce promotion for driving traffic, short-form video matrix marketing and live stream simulcasting.



Run multiple instances of a game, no pressure

The Benchmark score of a single computing unit is as high as 639132, which can easily run various heavy games. Running multiple instances of mobile games, PC games and Android emulators is supported. There is no issue to run up to 50 Honor of Kings or 20 Genshin Impact at the same time.

Product features



Safe and high-speed network communication

With four 10GbE ports and four GbE ports, the server supports simultaneous access to multiple operator networks. Supporting network isolation, link aggregation, network load balancing, data usage limit, it ensures the security and reliability of the network communication.



BMC remote management system

With BMC remote management system, it easily achieves real-time monitoring, software configuration, hardware management, troubleshooting and system upgrade. The system supports secondary development.



A wide range of usage scenarios

It can be widely applied to cloud phone, virtual desktop, edge computing, cloud gaming, cloud storage, blockchain, multi-channel video decoding, app cloning, etc.

Specifications

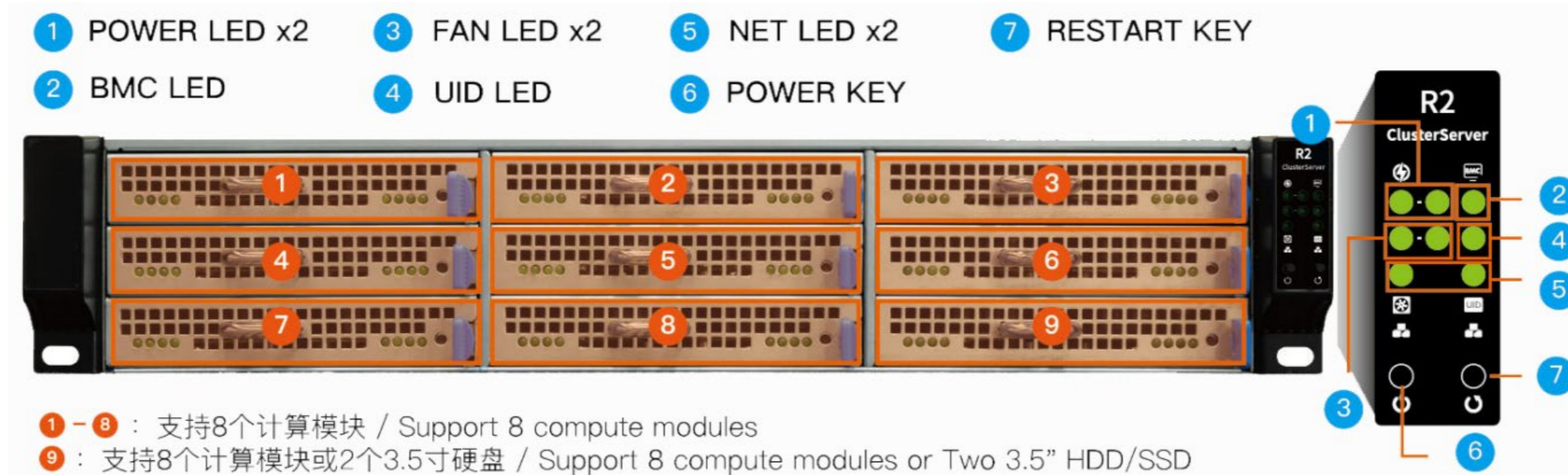


Specifications		
Basic Specifications	Product name	2U Cloud phone server
	Product model	CSR2-N72R3588S
	Architecture	ARM architecture
	Nodes	9 blades nodes, a total of 72 compute nodes (up to 576 ARM cores) + 1 control node
	Cores	Compute node: RK3588S octa-core (A76×4+A55×4) 64-bit processor, frequency up to 2.4GHz, NPU up to 6TOPS Control node: RK3399 hexa-core (A72×2+A53×4) 64-bit processor, frequency up to 1.8GHz
	RAM	16GB LPDDR4 × 72 (compute nodes)
	Storage	256GB eMMC internal storage × 72 (compute nodes), 3.5-inch SATA/SSD hard drives × 2 (shared among the blade 9), SD card slot × 1
	BMC	Integrated BMC management system provides management interface based on Web. This system supports secondary development.
	OS	Android, Ubuntu, Linux
	Power module	Dual redundant power supply design: AC 100~240V 50/60Hz, 1300W/800W optional
	Size	Standard 2U rack-mounted server: 580.0mm × 434.0mm × 88.8mm
	Environment	Operating Temperature: 0°C ~ 35°C, Operating Humidity: 8% ~ 95%RH (non-condensing)
Interface Specifications	Network	It can be connected to multiple operator networks at the same time; Supports internal and external network isolation, physical port binding aggregation, network load balancing, and traffic limiting Dual NIC redundancy design (internal and external network isolation can be realized), single NIC integration: Gigabit Ethernet (RJ45) × 2, 10G Ethernet (SFP+) × 2, BMC × 1, Console (debug serial port) × 1
	Display	1 × Mini HDMI2.0 (4K@60Hz, master board display)
	USB	1 × USB3.0 HOST
	Indicator	Control motherboard working status indicator: 1 single daughter board (node) 1 status indicator for each core board, a total of 8 LED indicators, there are 8 indicators at the armrest, which respectively represent: fan 1, fan 2, switch module 1, switch module 2, UID identification, BMC work indicator, switching power supply 1, switching power supply 2
	Button	Reset × 1, UID button × 1
	Fan module	Two fan modules: Fan module 1 (3×2 redundant design), Fan module 2 (2×2 redundant design)

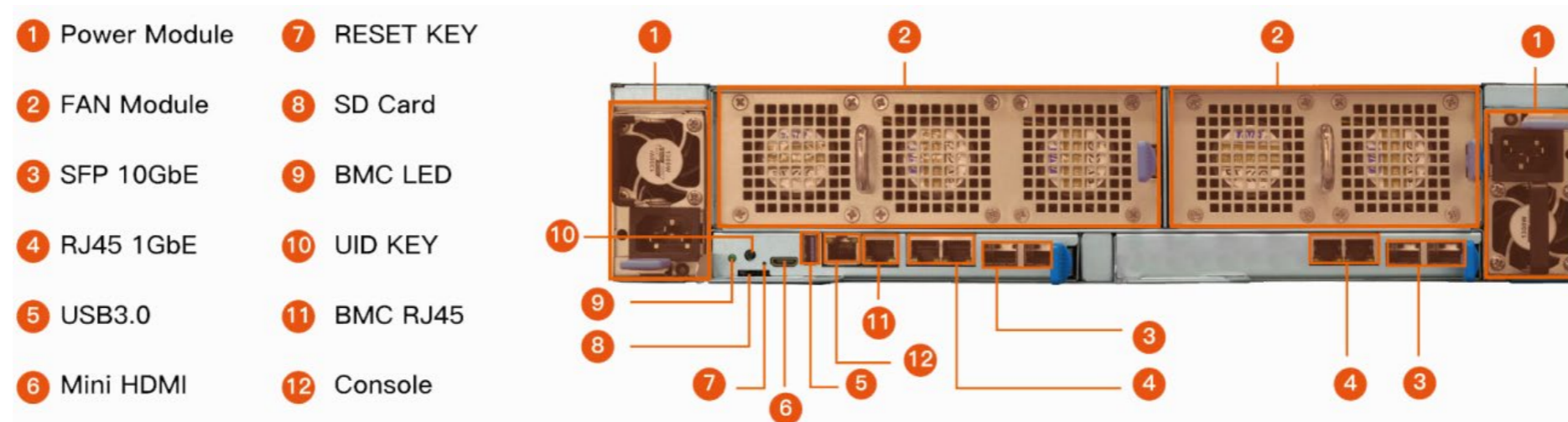
Interface description



Front view



Rear view





Dimension







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