CSR2-N72R3588S

Cloud Phone Server

Product features

RK3588S computing units

Up to 72 RK3588S 8-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.
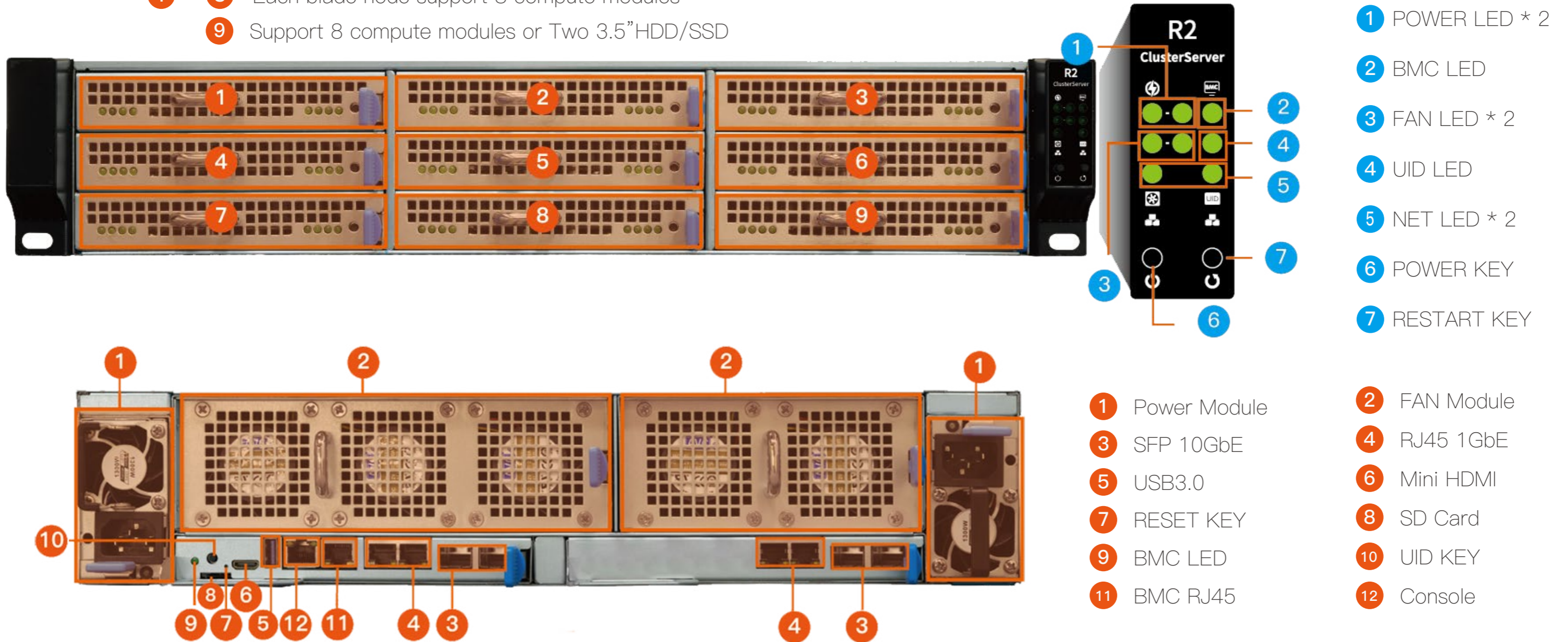
A wide range of usage scenarios

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	
Name	2U cloud phone server based on RK3588S
Modle	CSR2-N72R3588S
Architecture	ARM architecture
Nodes	9 blades, a total of 72 compute nodes (up to 576 ARM cores) + 1 control node.
Cores	Compute node: RK3588S 8-core (A76*4+A55*4) 64-bit processor, frequency up to 2.4GHz, NPU up to 6.0 Tops. Control node: RK3399 6-core (A72*2+A53*4) 64-bit processor, frequency up to 1.8GHz.
RAM	16GB LPDDR4 x 72 (compute nodes)
Storage	256GB eMMC internal storage x 72 (compute nodes)、3.5-inch SATA/SSD hard drives × 2 (shared among the blade 9)、SD card slot x1
BMC	Integrated BMC management system provides management interface based on Web. This system supports secondary development.
Network	The server supports simultaneous access to multiple operator networks. Support network isolation, link aggregation, network load balancing and data usage limit Dual network interface controllers (NIC) redundant design (realize network isolation), each NIC has: Gigabit Ethernet port (RJ45) ×2、Ten Gigabit Ethernet port (SFP+) ×2、BMC port ×1、Console debug port ×1
Display	1× Mini HDMI 2.0, 4K@60Hz (master board display)
U S B	1 × USB3.0 HOST
Fan	Two fan modules: Fan module 1 (3×2 redundant design), Fan module 2 (2×2 redundant design)
OS	Support Android, Ubuntu and Linux
Power	Dual redundant power supply design: AC 100~240V 50/60Hz, 1300W / 800W optional
Dimension	Standard 2U rack-mounted server: 580mm x 434mm x 88.8mm
Environment	Operating Temperature：0ºC - 35ºC、Operating Humidity：8%RH~95%R

Interface description

1 — 8   Each blade node support 8 compute modules

9   Support 8 compute modules or Two 3.5"HDD/SSD

R2
ClusterServer

1 POWER LED * 2

2 BMC LED

3 FAN LED * 2

4 UID LED

5 NET LED * 2

6 POWER KEY

7 RESTART KEY

1 Power Module   2 FAN Module

3 SFP 10GbE   4 RJ45 1GbE

5 USB3.0   6 Mini HDMI

7 RESET KEY   8 SD Card

9 BMC LED   10 UID KEY

11 BMC RJ45   12 Console

제품 데이터시트

더포스웨어

사람에 의한, 사람을 위한 미래 스마트 융복합시대
대한민국 No.1 OEM/ODM 하드웨어 기획 & 제조회사

회사주소 : 경기도 용인시 기흥구 탑실로 35번길 8-4, 17084

문의번호 : (+82) 02 838 2022

문의메일 : support@the4thware.com

홈페이지 : www.the4thware.com

The4thWare
더포스웨어