CSR1N10S3588S

| Cloud Phone Server

V1.0

Product features

RK3588S computing units

Up to 10 RK3588S 8-core 64-bit computing units can be configured, with each core frequency up to 2.4GHz, 6Tops computing power and 80-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 100 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 4 Gigabit Ethernet 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.
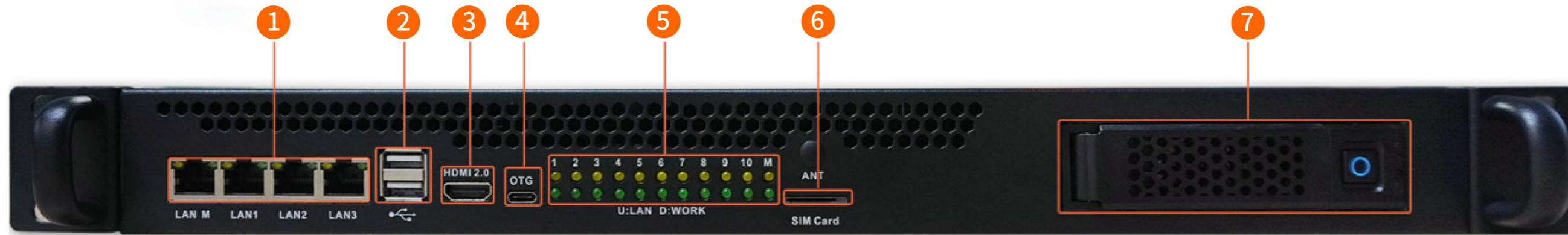
A wide range of usage scenarios

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

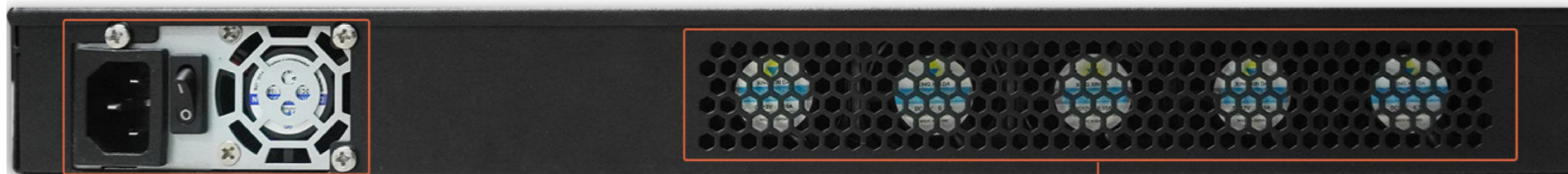| Specifications	
Name	1U cloud phone server based on RK3588S
Modle	CSR1N10R3588S
Architecture	ARM architecture
Nodes	10 compute nodes (up to 80 ARM cores) + 1 control node.
Cores	Compute node: RK3588S 8-core (A76*4+A55*4) 64-bit processor, frequency up to 2.4GHz, NPU up to 6.0 Tops. Control node: RK3399 6-core (A72*2+A53*4) 64-bit processor, frequency up to 1.8GHz.
RAM	16GB LPDDR4 * 10 (compute nodes)
Storage	128GB eMMC internal storage * 10 (compute nodes)、3.5-inch SATA/SSD hard drives * 1
BMC	Integrated BMC management system provides management interface based on Web. This system supports secondary development.
Network	1GE RJ45 network ports * 4 (one main core board network port and three ordinary network ports) 4G/LTE/5G network (optional)
Display	Mini HDMI 2.0, 4K@60Hz (master board display)
U S B	USB2.0 HOST * 2， Type-C (for processor core board debugging)
Fan	5 high-speed cooling fans
OS	Support Android, Ubuntu and Linux
Power	300W AC power (input: 100V AC ~ 240V AC)
Dimension	Standard 1U rack-mounted server: 490mm * 390mm * 44.4mm
Environment	Operating Temperature：0ºC - 55ºC、Operating Humidity：8%RH~95%R

Interface description

1 RJ45 Gigabit Ethernet	4 OTG	7 SATA HDD Interface
2 USB 2.0	5 Pilot Lamp	
3 HDMI	6 SIM Card	

1 Power Module

2 Fan Module

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