CSR1-N10R3588S

Cloud Phone Server

V2.0   2025-2-19
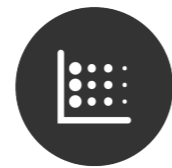
T-CHIP INTELLIGENCE TECHNOLOGY

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.
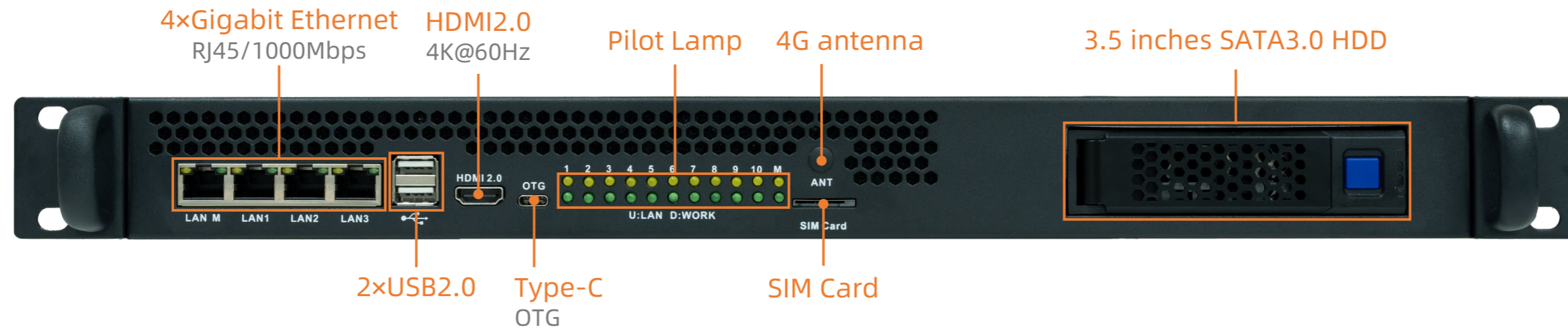
Specifications

Specifications		
Basic Specifications	Product name	1U Rack Cluster Server
	Product model	CSR1-N10R3588S
	Architecture	ARM architecture
	Nodes	10 compute nodes (up to 80 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 × 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
	OS	Android, Ubuntu, Linux
	Power	300W AC power (input: 200V AC~240V AC, 50Hz, 3A)
	Size	Standard 1U rack-mounted server: 490.0mm × 390.0mm × 44.4mm
	Weight	Server net weight: 5.8kg, Total packaging weight: 7.2kg
	Environment	Operating Temperature：0ºC ~ 55ºC, Operating Humidity：8% ~ 95%RH (non-condensing)
Interface Specifications	Network	4 × 1GE RJ45 Ethernet (1 main core board Ethernet port, 3 regular Ethernet ports), 4G LTE/5G network (optional)
	Display	1 × HDMI2.0 (4K@60Hz, master board display)
	USB	2 × USB2.0 HOST, 1 × Type-C (for processor core board debugging)
	Indicator	11 network status indicator lights (yellow), 11 working status indicator lights (green)
	Fan module	5 high-speed cooling fans

Interface description

Front view

4×Gigabit Ethernet
RJ45/1000Mbps

HDMI2.0
4K@60Hz

Pilot Lamp

4G antenna

3.5 inches SATA3.0 HDD

2×USB2.0

Type-C
OTG

SIM Card

Rear view

Power Module
300W AC power supply (input: 200V AC~240V AC, 50Hz, 3A)

Fan Module
5 high-speed cooling fans

Dimension

390mm

44.4mm

490mm

T-CHIP INTELLIGENCE TECHNOLOGY

Contact Us
(+86)18688117175

E-mail
global@t-firefly.com

Website
https://en.t-firefly.com/

Address
Room 2101, Hongyu Building, #57 Zhongshan 4Rd, East District,
Zhongshan, Guangdong, China.