



Firefly

Cloud Phone Server Solution

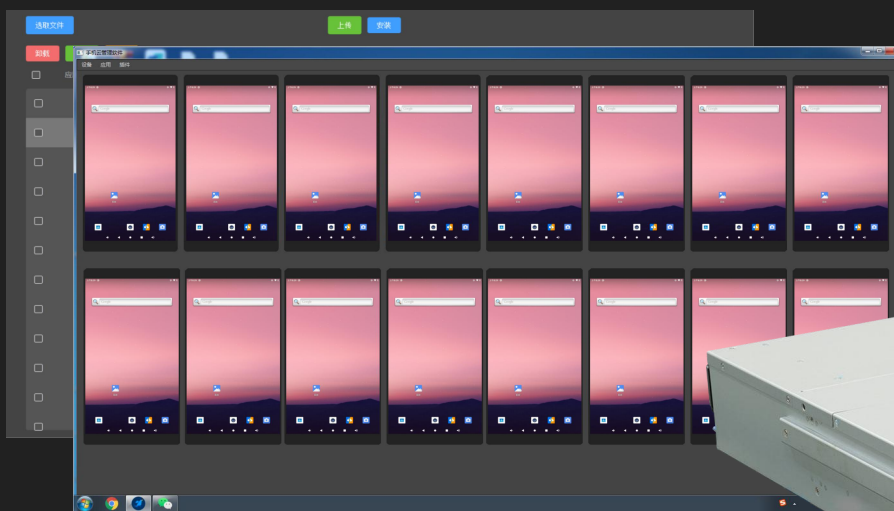
High-performance configuration and highly integrated, the server can virtualize up to 720 phones, realizing one-click control and supporting app multitasking while it supports real phone testing and prevents from being banned.



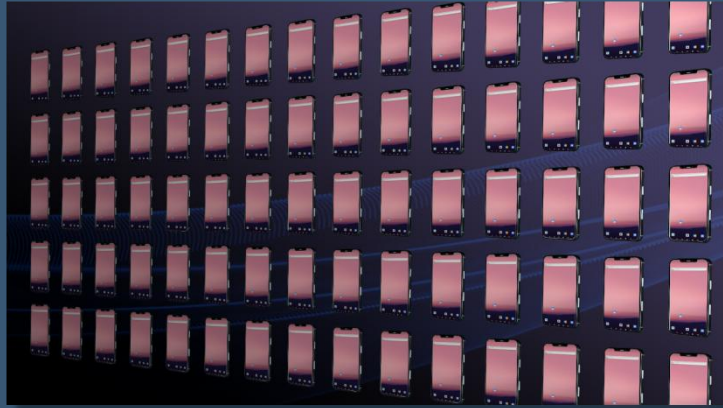


Introduction

Firefly Cloud Phone Server Solution is a one-stop solution based on ARM cluster chips and virtualization technology, featuring high performance and high integration. The solution supports one-click control, app multitasking, real phone testing and so on. The solution can be used in scenarios such as automatic marketing, private traffic operating, online store traffic increasing, multiple online stores running, game multitasking, game app testing, live stream simulcasting and live stream motivating.



Features



01

App multitasking, Up to 720 cloud phones

A single server can virtualize hundreds of mobile phones — up to 720 virtual phones are supported, saving the money of hundreds of expensive physical mobile phones and hundreds of SIM cards, and the virtual phones can be operated by just one single person, which greatly reduces the hardware costs and operating costs.

Powerful performance, Server-level RK3399 processor

6-core 64-bit server-level processor RK3399, with powerful performance and frequency up to 1.8GHz, is integrated with quad-core Mali-T860 GPU, supporting multi-format video encoding and decoding, delivering better performance.

02

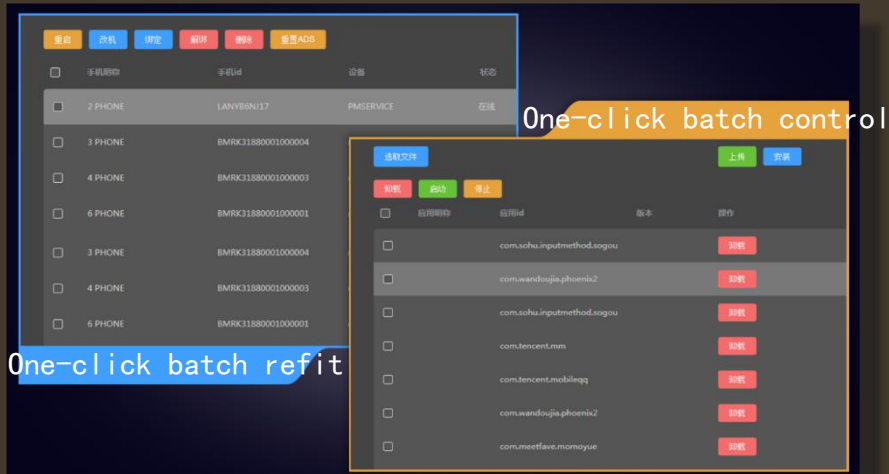
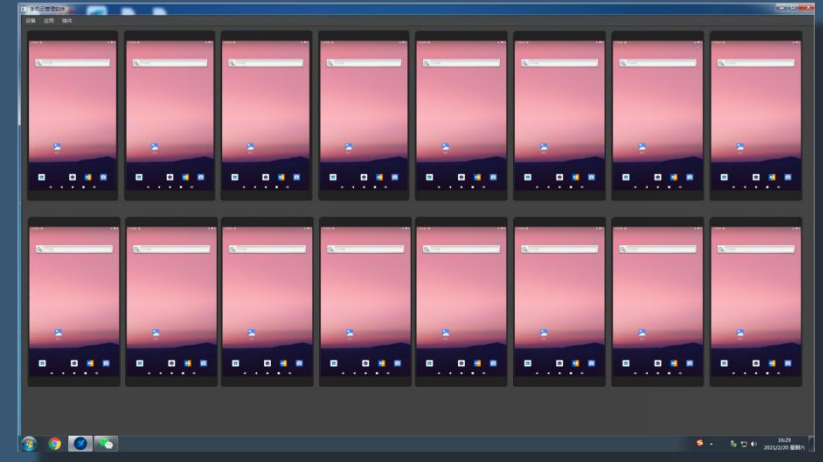


Features

Simultaneous control, high efficiency

Multiple-screen control or simultaneous control on the same screen is available. It supports multiple accounts login and collaboration, further improving the efficiency.

03

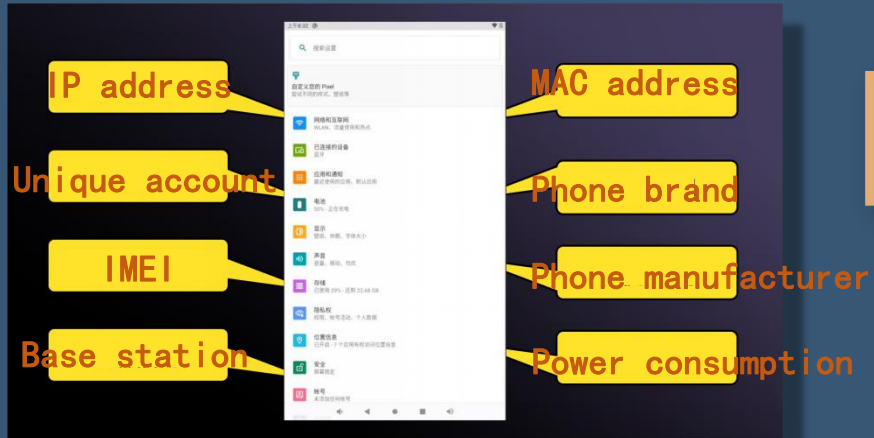


04

One-click batch control, easy management

It can restart, change, bind, edit, delete, reset ADB and excute other operations on all phones, and supports one-click batch refit and batch app installation, allowing users to control each phone more flexibly and conveniently.

Features



05

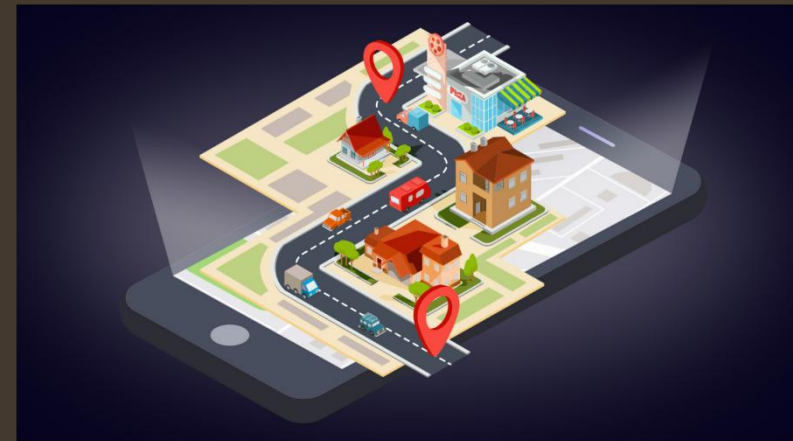
Real phone tested, simulating real operation

Each virtual phone has its unique name, IP address, MAC address, unique account, phone brand, IMEI, phone manufacturer, base station, power consumption and other information, which truly simulates the application environment of real people and real phones.

Real positioning, anti-banning

Reliable anti-ban technology — the device can automatically match the information of the base station according to the address, so that the location can be synchronized with the base station. And it can be set to simulate various GPS positioning moving, static and other states.

06



Features



07

App multitasking

This cloud phone server supports app multitasking. According to needs, multiple same Apps can simultaneously execute tasks at the same time, delivering full performance of each virtual phone.

Highly integrated, easy to use

Simple connection — only an external network cable is required, eliminating all wiring troubles. With massive built-in storage, it can keep data locally, safe and reliable.

08





Applications

Firefly Cloud Phone Server Solution professionally helps companies build a huge private traffic pool — introduces private traffic from various apps, and achieves enormous increase of fans through automatic marketing, intelligent customer service, data statistics, marketing scripts and other functions, and finally turns them into successful sales. Creating a one-stop private domain traffic pool, it can be applied to almost all industries.

APP Categories



Live Stream
Social Media
Travel
Communities
We-Media
Shopping
Education
...

Private Traffic



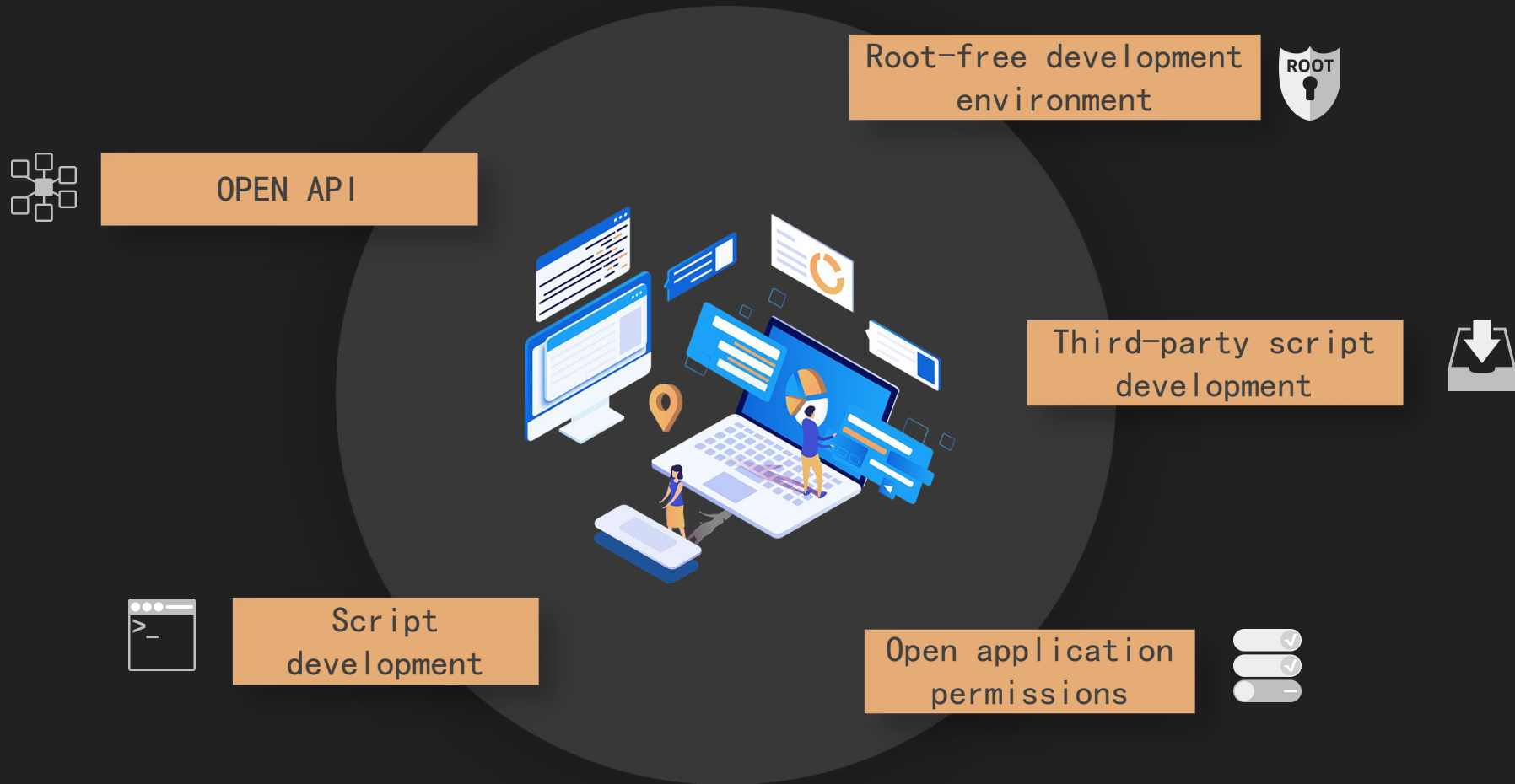
Auto-Marketing
Anti-Banning
Delicacy Management
Intelligent Customer
Service
Data Statistics
Marketing Scripts
...

Transition



Catering
Education
Aesthetic Medicine
Gaming
We-Business
Online Shopping
Influencer Marketing
...

Development Platform



Usage Scenarios



Live Interaction

Live Stream

One camera, multiple platforms, multi-account live stream, live stream motivating; supports unmanned live stream.



Usage Scenarios

We-Media Sales

We-Media

Multiple accounts, multiple phones
operation at the same time; helps the
we-media industry to conduct more
effective marketing.





Usage Scenarios



Online Store

Online Shopping

Improves popularity of online stores,
increases exposure, and makes
operations more efficient.

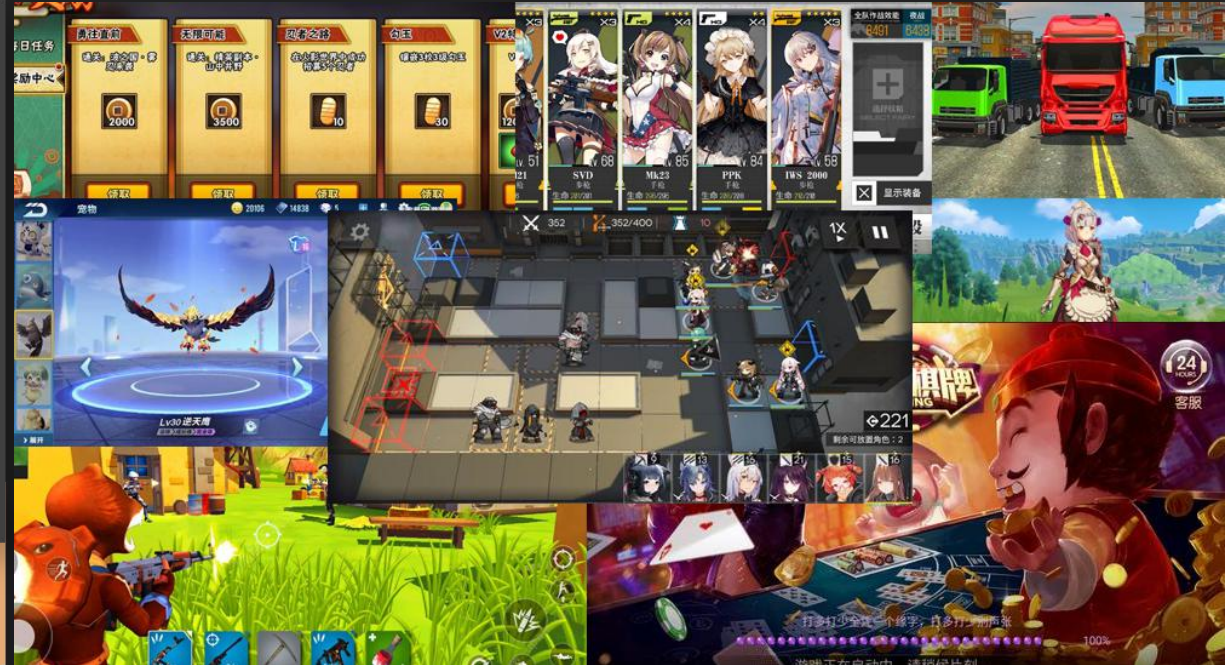
Usage Scenarios

Game Multitasking

Gaming

Through GPU hardware acceleration,
mobile games can be run in the cloud.

Supports game multitasking.





Usage Scenarios



Network Monitoring

Internet

Performs technical processing such as collection, classification, integration and screening, on amounts of information on the Internet. Intelligently analyzes the data, letting users understand well and quickly.



Usage Scenarios

Mobile Office

Enterprise




Mobile office application based on cloud phone can store core data in the cloud phone server, and provides access to authorized employees through phone screen displaying to prevent data leakage.





Product Specifications

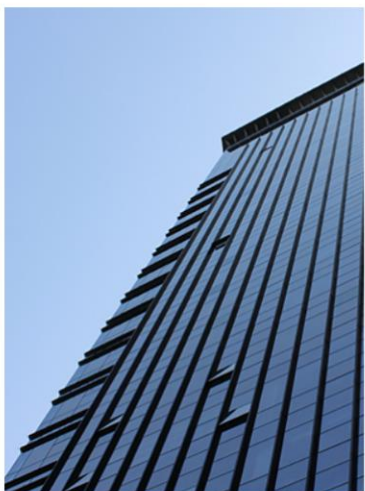
Firefly Cloud Phone Server Solution provides different products with different specifications, which can virtualize 10 to 720 virtual phones. Users can flexibly choose products according to business and cost requirements to build different application scenarios.

Product	 Station P1	 Cluster Server R1	 Cluster Server R2
Virtual Phone	10 pcs	110 pcs	720 pcs
CPU	Single 6-core 64-bit dual-core A72 + Quad-core A53 Frequency up to 1.8GHz	11 pcs 6-core 64-bit dual-core A72 + Quad-core A53 Frequency up to 1.8GHz	72 pcs 6-core 64-bit dual-core A72 + Quad-core A53 Frequency up to 1.8GHz
GPU	Mali-T860 MP4 quad-core GPU, supports OpenGL ES1.1/2.0/3.0/3.1, OpenVG1.1, OpenCL, DX11		
Storage	Storage x 1 32GB eMMC x 1 Onboard 16MB SPI-Flash x 1	Storage x 11 32GB eMMC x 11 Onboard 16MB SPI-Flash x 11	Storage x 72 32GB eMMC x 72 Onboard 16MB SPI-Flash x 72
Storage Expansion	×	√	√
TF Card Expansion	√	√	√
Network	Simulated 4G + WiFi + Wired Network		
OS	Android 10		



About Us

T-Chip Intelligent Technology Co., Ltd., founded in 2005, is a national high-tech enterprise, focusing on the research and development, production and sales of open source smart hardware, AI, Internet of Things, and digital audio products, while also provide overall solutions with smart hardware and software products. Firefly, the open-source brand established by T-Chip, currently has more than 200,000 users and more than 5,000 enterprise users, accelerating the research and development process for many technology entrepreneurs and start-ups, and providing professional technical services.



Ideal

Create value for customers and become a respectable enterprise.

Mission

Make technology simpler,
Make life smarter.



Value

Be innovative, honest, industrious
and professional.
Serve and share with gratitude.

Business Philosophy

Pursuit healthier, longer,
and sustainable development.



Contact Us

Website: www.t-firefly.com

Phone: 4001-511-533

E-mail: sales@t-firefly.com

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



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