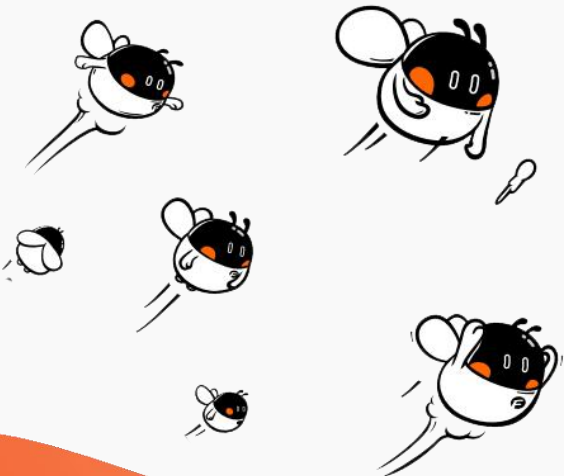




T-CHIP Group

COMPANY INTRODUCTION





About Us

T-CHIP Group

T-CHIP Group, founded in 2005, operates entities, including T-Chip Intelligent Technology, Firefly Technology, and StationPC Technology. The Group is committed to creating a technology ecosystem supporting both industrial and lifestyle intelligence.



T-Chip



Firefly



StationPC



About Us



An Open-Source Brand by T-Chip Group
Global Leader in the Design and Supply of Smart Solution



About Us

20+

Years of R&D Experience

120+

Smart Products

100+

Certification and Patents

20K+

Enterprise Clients

40+

Hardware
R&D Engineers

80+

Software
R&D Engineers

300K+

Registered Users



About Us



Office Location

- Zhongshan East District
- Shenzhen Nanshan District



Factory Location

- Lenge Intelligent Technology
- Diligence Optoelectronic Technology





History

2005



T-Chip was Founded.

Focused on the solution design of color screen MP3.

Became the first design house (IDH) of Platform and launched MP4 video player supporting avi format.

2014



Firefly was established and launched **Firefly-RK3288**, the first open-source single-board computer, which gained popularity around the world.

2018

Launched mainboard, smart computers and ARM Cluster Servers used in more intelligent scenarios.

2022

Launched industrial and automotive grade products, covering more industry sectors.

2010

Took the lead in launching Android tablet PC solutions in China.

2017

Introduced the core board series to improve hardware development.

2020



StationPC was established, and entering the portable NAS market.

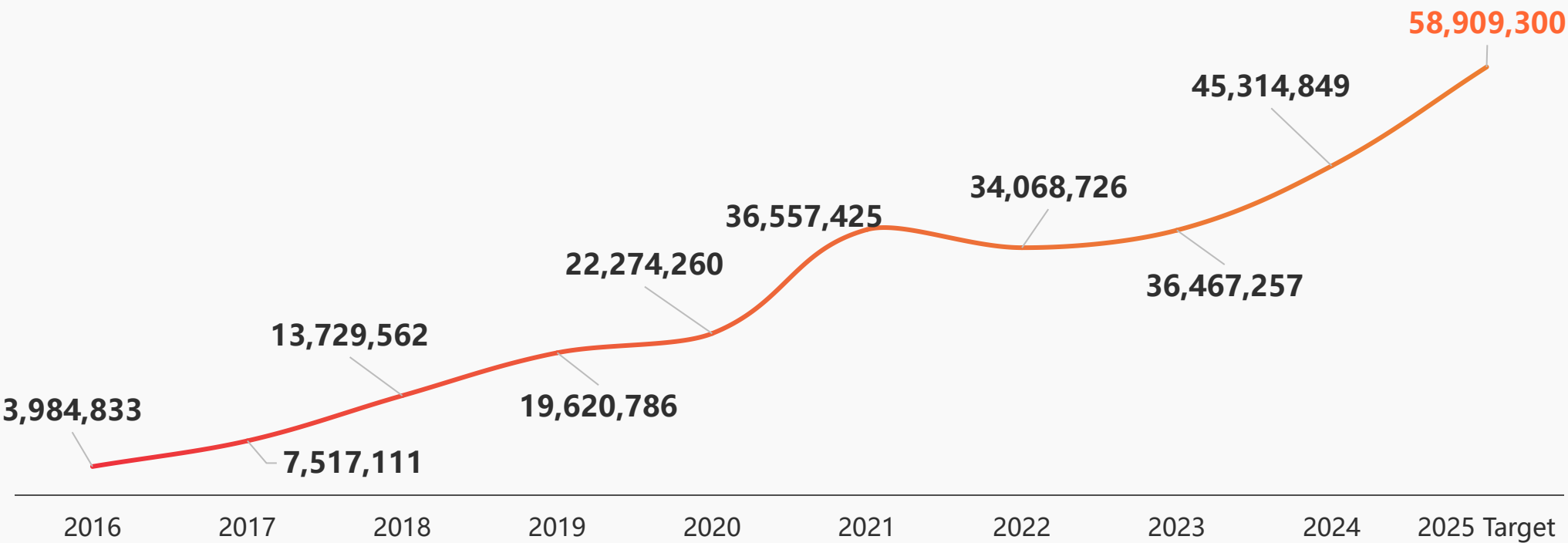
2025

Continuous innovation, and creating more possibilities.



Total Sales Revenue

2016 - 2025 Total Sales Revenue (US\$)





Product Matrix

System on Modules Series:

- AI Compute Modules
- Commercial Modules
- Industrial Modules

Computer Series:

- Edge Computing
- AIBOX
- mini PC
- Other PC

Motherboard Series:

- Mini SBC
- Standard Motherbord
- Compact Motherbord

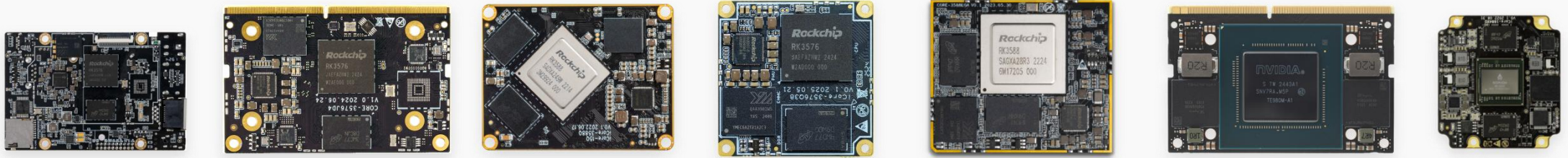
Server Series:

- AI Servers
- ARM Cluster Servers
- RISC-V Series
- Gateway Servers





SoM Series



● Offering various packaging options.

● Supports customization of industrial-grade, automotive-grade, and ultra-compact Q38 specifications.



BTB



Gold-Finger



SMT



Stamp Hole



Industrial-Grade



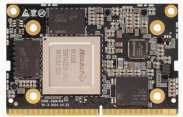
Automotive-Grade



Ultra-Compact Q38



Motherboard Series



Core-1688JD4



Motherboard



AIO-3588JD4



Core-1688JD4



Jetson Orin NX



Motherboard



AIO-GS1N2

Rich expansion interfaces supporting peripheral expansion.



Ethernet



HDMI



USB3.0



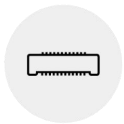
MIPI-CSI



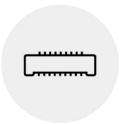
Type-C



TF Card



M.2



Mini PCIe



Audio Jack



POE



SATA

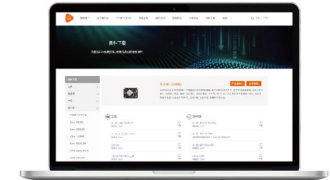


SIM Card

Provides development resources and system tools.



Reference Schematics



SDK Source Code

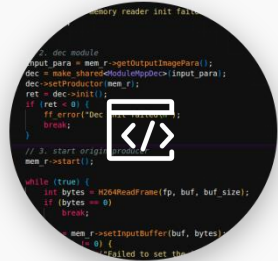


Computer Series

- Highly integrated design of software and hardware for the whole machine.



Hardware R&D



Software R&D



- Having multiple product forms to meet the needs of various application scenarios.



AI BOX Series



EC Series

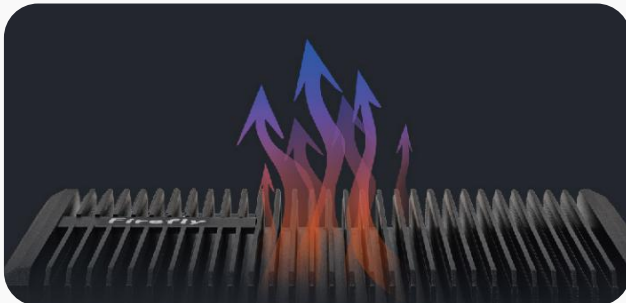


mini PC Series

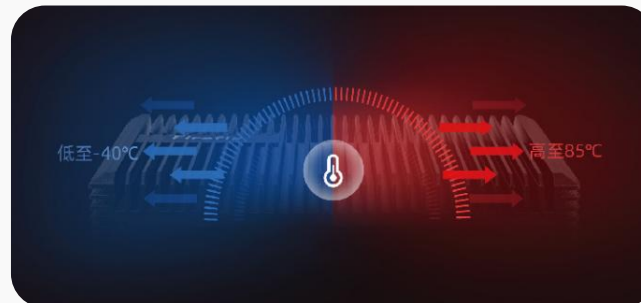


Singel Board Computer

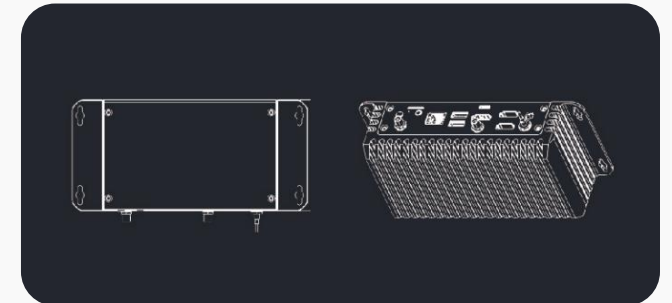
- All aluminum metal shell with good thermal conductivity.



- Stable operation with wide temperature range, supporting 24/7 operation.



- Some models have side ears for flexible installation positions.





Server Series

CSB1-N10 Server



Type	AI Servers
Modules	Optional 10 RK3588S / BM1684X / Jetson Orin Nano (8GB) / Jetson Orin NX (16GB)
Power	Up to 1570 TOPS (INT8)
Codec	Up to 160 routes 1080p@30fps video decoding
Size	Standard 1U Server Size

CSC2-N48 Server



Type	AI Servers
Modules	Optional 48 BM1684X / RK3588S / Jetson Orin Nano (8GB) / Jetson Orin NX (16GB)
Power	Up to 7536 TOPS (INT8)
Codec	Up to 1536 routes 1080p@25fps video decoding
Size	Standard 2U Server Size

GS1-N2



Type	Gateway Servers
Modules	Dual-modules, Optional RK3588S / RK3576 / BM1688 / Orin Nano (8GB) / Orin NX (16GB)
Power	Up to 157 TOPS (INT8)
Codec	Up to 32 routes 1080p@25fps video decoding
Size	Standard 1U Server Size

RS-SRM120



Type	RISC-V Servers
Processors	2 SG2042 64-core RISC-V processors
Computing Accuracy	INT8 / FP16 / BF16 / FP32
Codec	Up to 1080P@3600fps video decoding
Size	Standard 2U Server Size



Rockchip Solution



Rockchip Family

Rockchip
RK3588

Rockchip
RK3576

Rockchip
RK3568

Rockchip
RK3399

Application Scenarios:

- Consumer Electronics
- Intelligent Retail
- Visual Applications
- Industrial & IoT Gateway
- Intelligent Manufacturing
- Intelligent Education

- ✓ Design of SoC with High Integration
- ✓ Multimedia Processing Capability
- ✓ Rich Product Line & Cost-Effective
- ✓ Built in NPU Provides end-to-end AI

SoM & Motherboard



iCore-3588Q



Core-3576JD4



ROC-RK3576-PC



AIO-3576Q

AI Embedded Computer



AIBOX Series



EC Series



Gateway Series

AI Server



1U Rack-Mounted



2U Rack-Mounted



NVIDIA Solution



NVIDIA Jetson Family



2070 TFLOPS



275 TOPS



157 TOPS



67 TOPS

Application Scenarios:

- Robotics & Automation
- Intelligent Video Analytics
- Autonomous Vehicles
- Education & Research
- Healthcare & Life Sciences
- Intelligent Retail & Services



Power-Efficient AI Performance



AI Software Stack & Ecosystem



Modular Standard Design



Advanced Sensing and Perception

Development Kit



AIO-OrinNX



AIO-GS1N2



Jetson Orin Nano Kit

AI Embedded Computer



AIBOX Series

- Compact
- Portable
- Cost-effective



EC Series

- Powerful
- Industrial-Grade
- Rich Interfaces

AI Server



1U Rack-Mounted



2U Rack-Mounted



Qualcomm Solution



Qualcomm Dragonwing™ QCS8550



Let You Do More with Less!

- ✓ Superior Performance
- ✓ Optimized AI Architecture
- ✓ Robust Video and Graphics

Target Applications:

Performance Heavy IoT

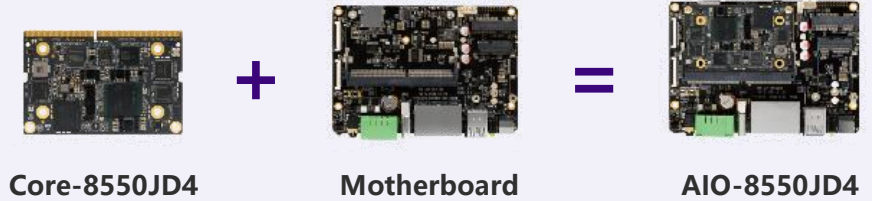
- Autonomous Mobile Robots
- Industrial Drones
- Video Collaboration
- Video Transcoding
- Cloud Gaming
- Edge AI Gateways

Expected Product

Longevity: April 2033



Development Kit



AI Embedded Computer



AI Server





SOPHGO Family

SOPHON
BM1684X

SOPHON
BM1688

SOPHON
BM1684

SOPHON
CV186AH

Application Scenarios:

- Intelligent Security
- Cloud Computing
- Intelligent Cities
- Education & Research
- Intelligent Retail
- Industrial Inspection

- ✓ High Computing power Performance
- ✓ Complete Toolchain
- ✓ High Energy Efficiency Ratio
- ✓ Product Form of End-to-End Cloud Integration

SoM & Motherboard



iCore-1684XQ



Core-186JD4



AIO-1688JD4



AIO-1684XQ

AI Embedded Computer



AIBOX Series



EC Series

AI Server



1U Rack-Mounted



2U Rack-Mounted



Solution Customization

Hardware

We provide customized services, including System on Modules, backplanes, industrys products, and more.



System on Modules



Backplanes



Industrys Products

Devices

We offer packaging customization, such as product stickers and instruction manuals, along with other customizations like hardware interface modifications.

Eg: Product Stickers

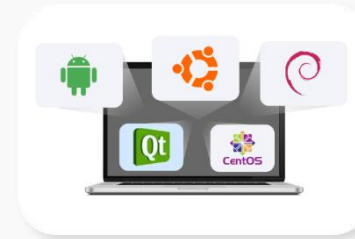


Eg: Product Interface

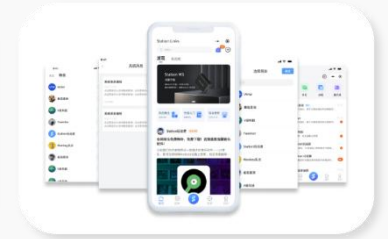
Software



BSP Customization



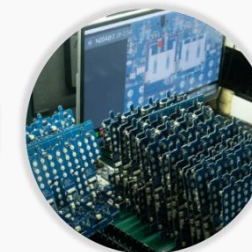
OS Customization



APP Customization

OEM

A wide range of manufacturing equipment and supply chain resources.





Certification



ISO Standard



RoHS Standard



IATF Standard



Ingress Protection 65



Reach Standard



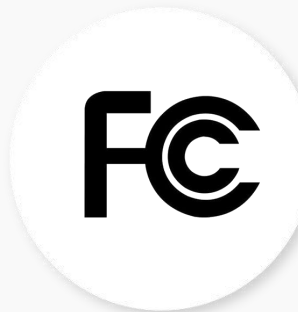
CE Standard



CULUS Standard



UL Standard



FCC Standard



Bureau of Indian Standard



Advantage



Open Access to Code Resources,
Making Development Easier.



**Provide Reference Design for the Base
Plate and Free Inspection Design.**



Provide Detailed WIKI Tutorials and SDKs.



**Engineers can Provide One-on-one
Technical Support.**



Long-term Stock Availability with no MOQ Required,
Samples Dispatched Within 3 Business Days to Most
Countries Worldwide.



Provide Remote Guidance for Video Conferencing
and be able to Adapt to Different Time Zones.



Partners

Rockchip



SOPHGO

QUALCOMM

ARM

Google

Tencent 腾讯



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Firefly

Official Store