





T-Chip Group

Make Technology More Simple, Make Life More Intelligent.

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Overview

Create Value and Pursue Sustainability

T-CHIP Group

T-CHIP Group 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

01 About Us



An open-source brand under T-CHIP Group

A global leader in the design and supply of intelligent products

01 About Us

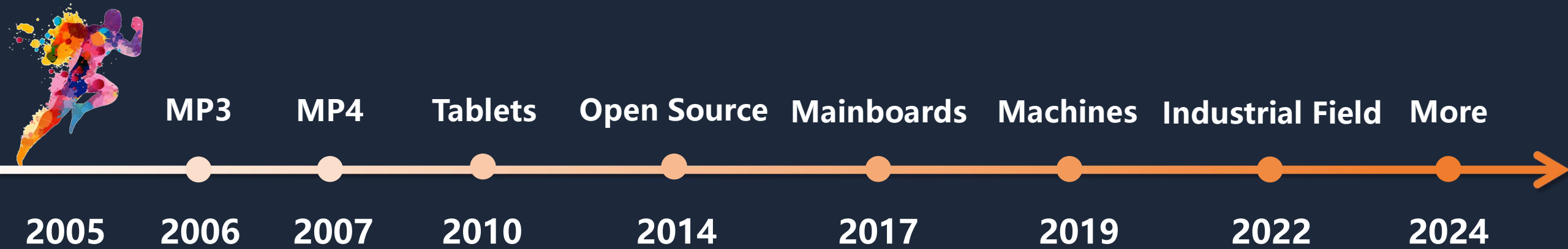
100+ Certification and Patents

150+ Products

20000+ Global Enterprises

300000+ Developers

01 History



01 R&D



Machine Research
and Development

C/C++

Embedded
Development



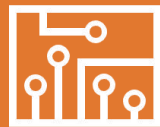
System Development



Application
Development



Industrial Design



Mainboard Mass
Production



Backend System



Cloud Service

01 R&D

100+ Staff

80% Technical Professionals

20+ Years in Electronics



Products

Create Every Product with Ingenuity

02 Product Overview

Core Boards:



- Compact module with full functionality and flexible configurations.
- Abundant interfaces for various application scenarios.

Core Board Series



Machine and Device Series

Mainboard Series

Machines and Devices:



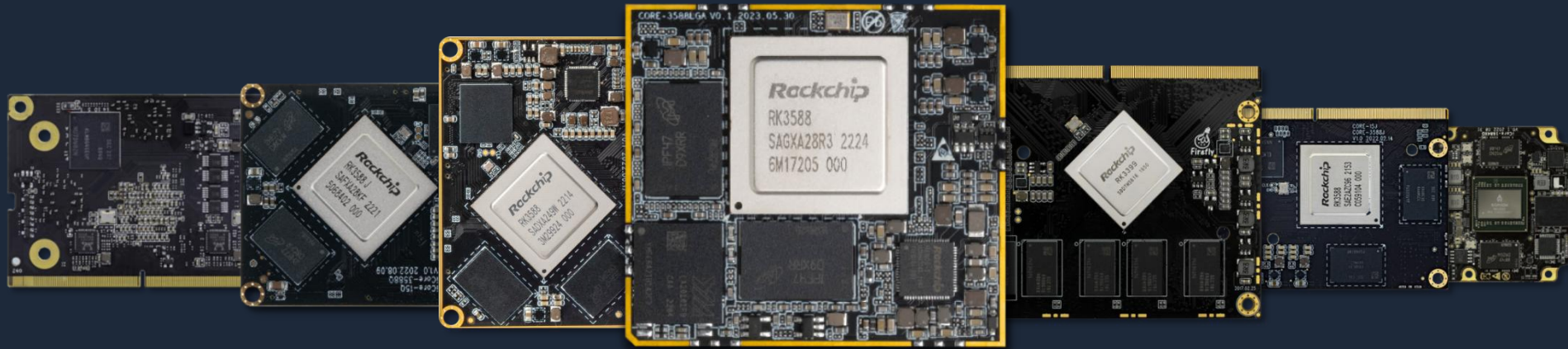
- All-in-one design and out-of-the-box feature.
- Versatile for various industry applications.

Mainboards:



- Extensive external interfaces.
- Open-source development resources.

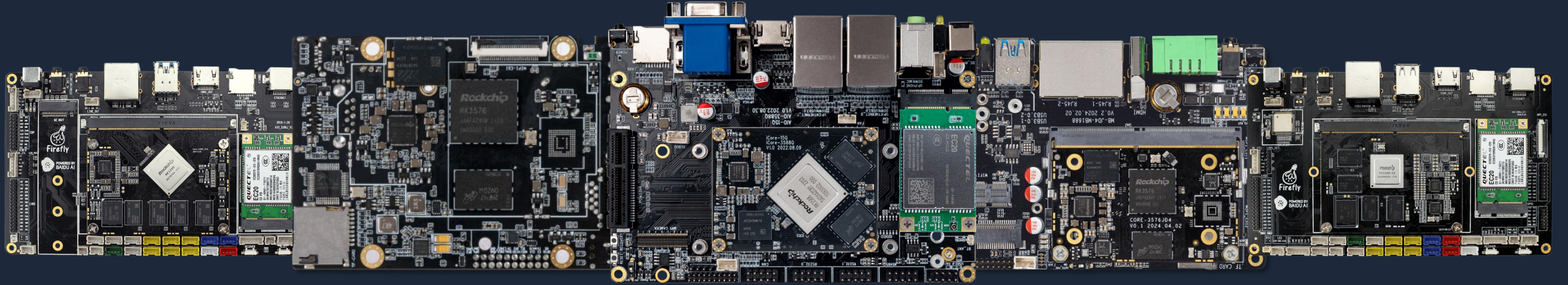
02 Product Series



- Flexibly configurable with CPUs, RAM, and storage options.
- Provide BTB, LGA, gold-finger, and plated half-hole packaging.

Core Board Series

02 Product Series



- Abundant external interfaces meet various R&D needs.
- Provide SDK source code, reference schematics, and system tools.

Mainboard Series

02 Product Series



- Seamlessly integrate software and hardware in an all-in-one design.
- A range of product forms includes embedded computers, tablets, and servers.

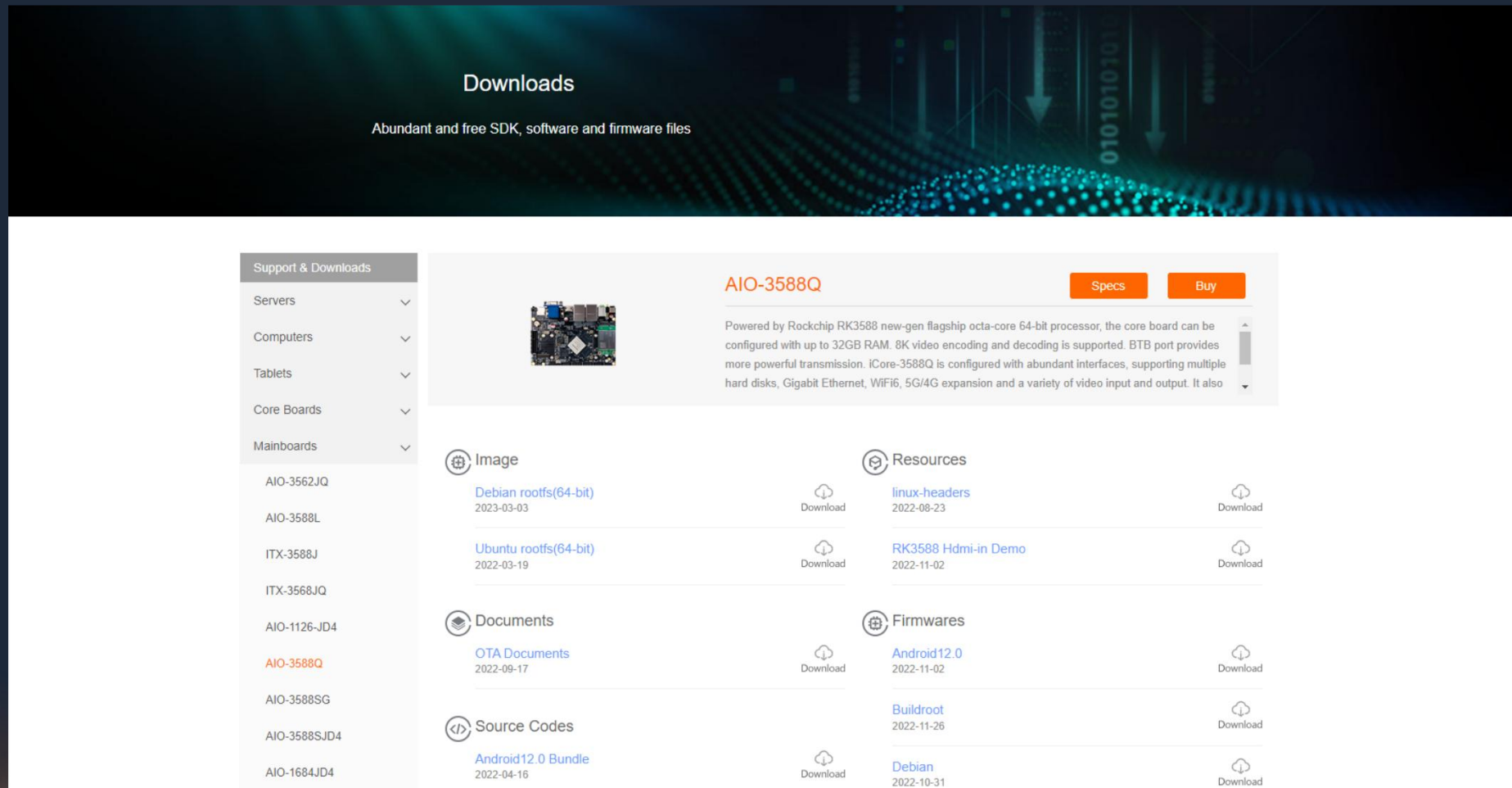
Machine and Device Series



Advantage

Open Source, Innovation, and Sharing for Mutual Success

Open-source resources for easier product development.

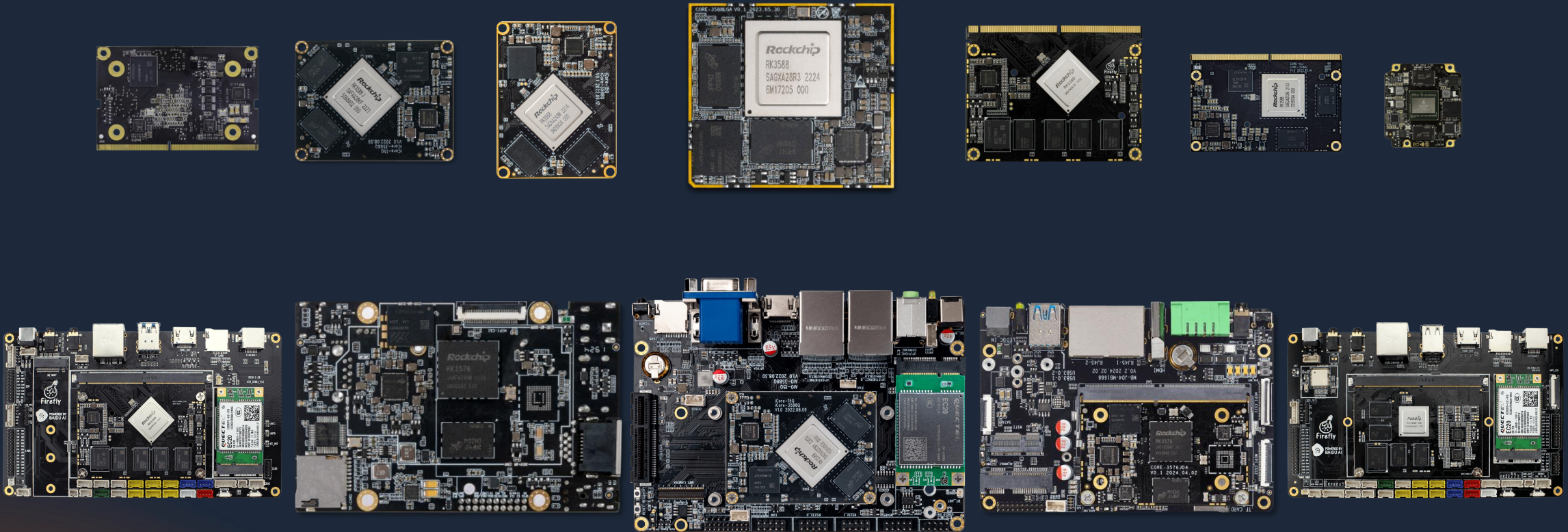


The screenshot displays a product page for the AIO-3588Q. At the top, a dark banner with a digital background features the word "Downloads" and the text "Abundant and free SDK, software and firmware files". Below this, a sidebar on the left lists product categories: Servers, Computers, Tablets, Core Boards, and Mainboards. Under Mainboards, several models are listed, with AIO-3588Q highlighted in orange. The main content area features a product image of the AIO-3588Q board, a "Specs" button, and a "Buy" button. A descriptive paragraph states: "Powered by Rockchip RK3588 new-gen flagship octa-core 64-bit processor, the core board can be configured with up to 32GB RAM. 8K video encoding and decoding is supported. BTB port provides more powerful transmission. iCore-3588Q is configured with abundant interfaces, supporting multiple hard disks, Gigabit Ethernet, WiFi6, 5G/4G expansion and a variety of video input and output. It also". Below the description, there are four sections of download links, each with a download icon:

- Image**
 - [Debian rootfs\(64-bit\)](#) (2023-03-03)
 - [Ubuntu rootfs\(64-bit\)](#) (2022-03-19)
- Resources**
 - [linux-headers](#) (2022-08-23)
 - [RK3588 Hdmi-in Demo](#) (2022-11-02)
- Documents**
 - [OTA Documents](#) (2022-09-17)
- Firmwares**
 - [Android 12.0](#) (2022-11-02)
 - [Buildroot](#) (2022-11-26)
- Source Codes**
 - [Android 12.0 Bundle](#) (2022-04-16)
 - [Debian](#) (2022-10-31)

03 Advantage

Standardized design and production ensure product quality consistency.



03 Advantage

Multiple professional factories

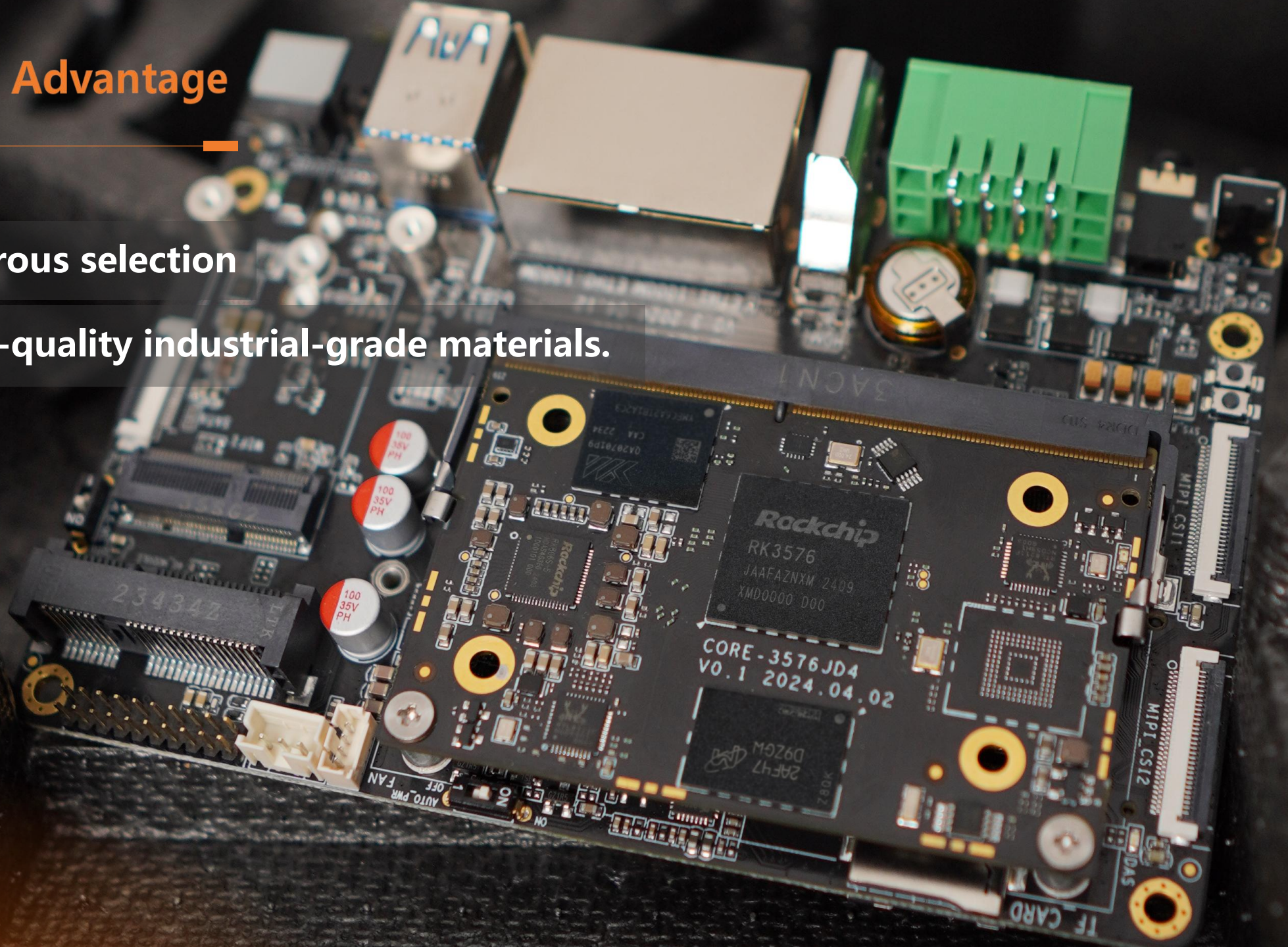
over 20 SMT lines produce up to 250K units monthly.



03 Advantage

Rigorous selection

High-quality industrial-grade materials.



03 Advantage

Long-term stock availability with no minimum order quantity required.



03 Advantage



Stable supply

A decade-long, consistent supply cycle.

03 Our Awards

48 software copyrights and 18 patents.



A large, orange, abstract, rounded shape with a slight 3D effect, containing the number 04.

04

Global Manufacturing

Provide High-Quality Solutions for Global Partners

A dark blue background with several overlapping, rounded, abstract shapes in shades of blue and brown at the bottom right corner.

04 Global Manufacturing

Over 18 years of production experience, cutting-edge equipment, and international technical professionals.



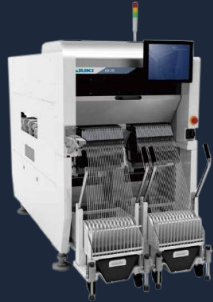
04 Quality Certification



ISO 9001:2015 Certification

- Ensure products meet the highest standards.
- Continuously improve and optimize operational processes.
- Establish an effective quality management system.
- Provide exceptional product quality and customer experience.

04 Automated Equipment



High-speed SMT



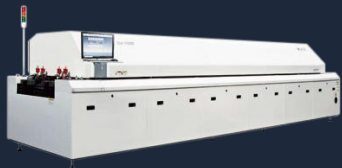
First-piece inspection machine



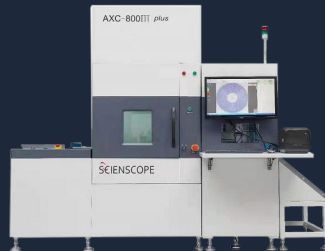
Fully automated solder paste printer



Automated optical inspection machine



Lead-free reflow soldering



X-ray automated component counting machine



Off-line cleaning machine

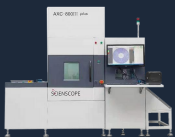
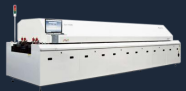


Wave soldering

04 Automated Equipment



Intelligent Production



- Intelligent monitoring in the production process.
- Enhanced product quality and production efficiency.
- Meet large-order production demands.

04 Process and Capacity



Precision

Produce **01005** size components.



Range

Produce PCBs up to **1.5m** in length and 370 mm in width.



Quantity

SMT monthly output is **1.8 billion** solder points.



Units

Based on white goods PCBA, the monthly production capacity is **250,000** units.

04 Management System

MES

Manufacturing
Execution System

AUTO

Humidification System

ESD

Protection Facilities

Sensitive
Component
Baking
System

Storage
Facility
Management
System

04 International Professionals

Meet global market demands and conform to international standards for R&D.



An orange, rounded, abstract shape with a slight 3D effect, containing the number 05.

05

Platform Ecosystem

Create Value, Cooperate, and Achieve Success

A dark blue, rounded, abstract shape in the bottom right corner of the slide.

05 Massive User Base

Established Industry Ecosystem

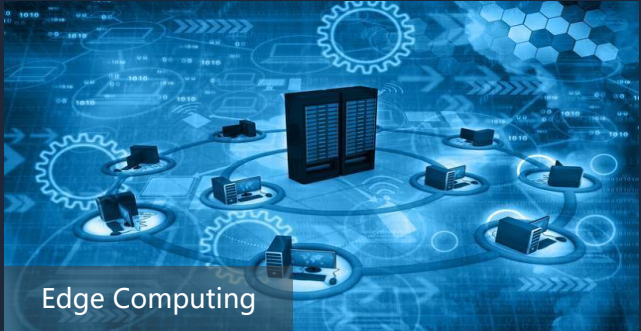


Open-Source Ecosystem

05 Application Scenarios



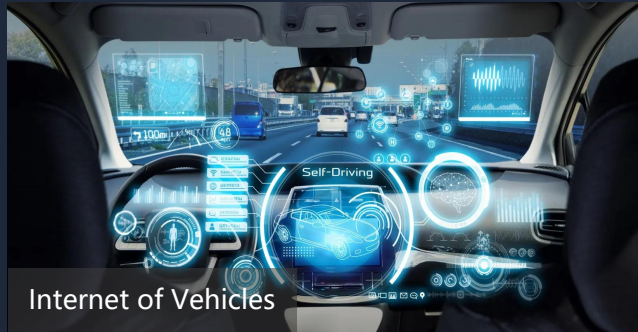
Smart Industry



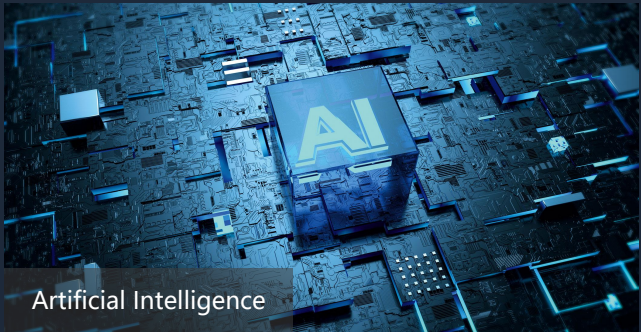
Edge Computing



Smart Security



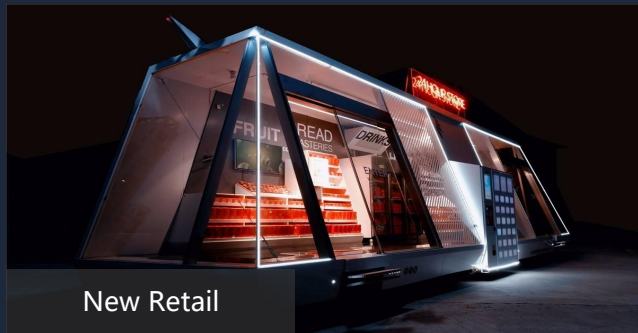
Internet of Vehicles



Artificial Intelligence



Multi-Display



New Retail



Blockchain



Smart Cities

05 Partners



05 Our Culture

We create value for our clients by pursuing healthy and sustainable development.


Make Technology More Simple, Make Life More Intelligent.



Thanks for Listening

Make Technology More Simple, Make Life More Intelligent.




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 YouTube



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