

Consumers Smart Hardware

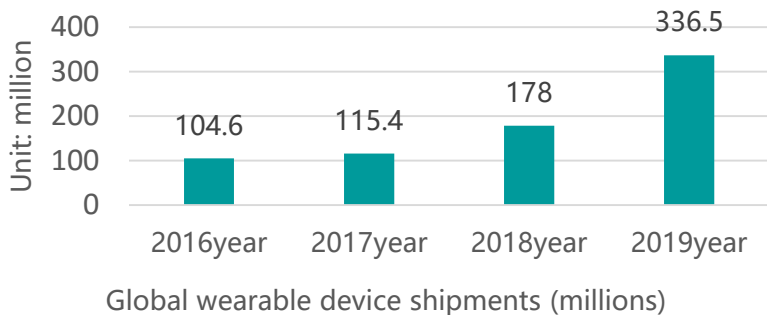
Technology and service provider to access internet

Content

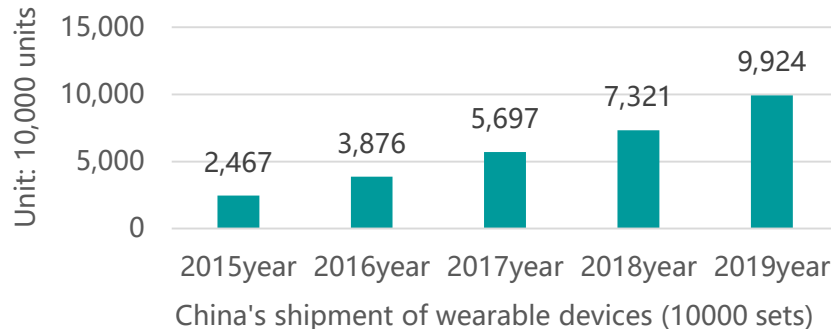
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Global And China Products Of Smart Dressing Shipment Statistics

Statistics of global wearable device Market shipment in 2016-2019



Statistics of China's wearable device Market shipment in 2015-2019

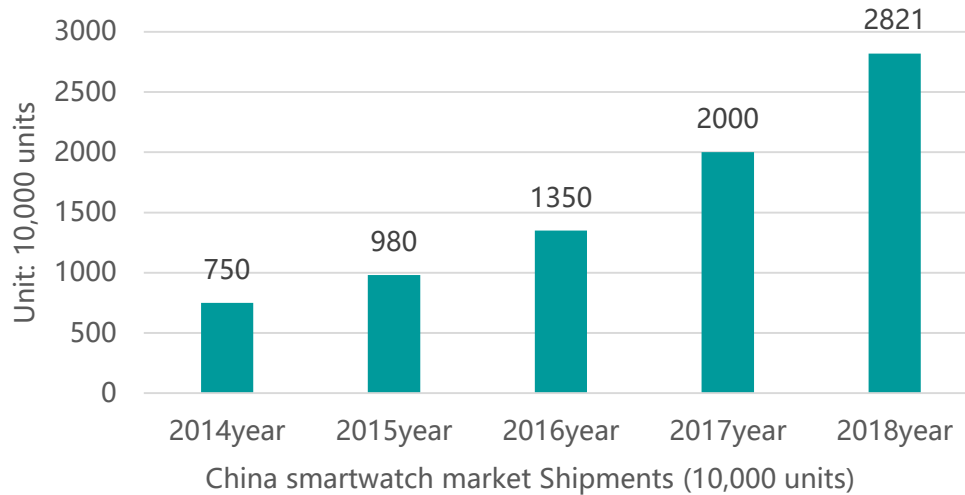


Data source: collated by Prospective Industry Research Institute

IDC data shows that global wearable device shipments reached **336.5** million units in 2019, and China's wearable device market shipped **99.24** million units in 2019, a year-on-year increase of **37.1%**.

China's Smart Watch Market Shipments

Statistics of China's smart watch market shipment in 2014-2018



- In 2018, China's children's smart watches and adult smart watches shipped a total of **28.21** million units, of which the adult watch market shipped **6.54** million units and the children's watch market shipped **21.67** million units.
- In recent years, the shipment volume of my country's smart watch industry has increased year by year, and the industry's compound annual growth rate from 2014 to 2018 is about **39.26%**.
- Global shipments of smartwatches are expected to double to **190.4** million units in 2022.

ASR Platform ASR 3601



Support FDD/TDD LTE CAT1
Compatible with GSM network



Ultra low power consumption
Standby power consumption is
less than 1.6mA
VoLTE power consumption as
low as 65mA



Integrated multimedia functions
such as voice/video/photo



Support HD voice call

Bluetooth Chip Apollo 3 BLUE



Operating power consumption is less than 6 μ A/MHz
ARM Cortex M4F core
Operating frequency up to 96MHz



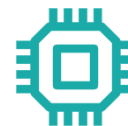
SoC configuration 1MB flash memory
384KB SRAM /16KB cache



Integrated Bluetooth Low Energy (BLE5)
Up to 21 days standby



Rich interface
Support external sensors

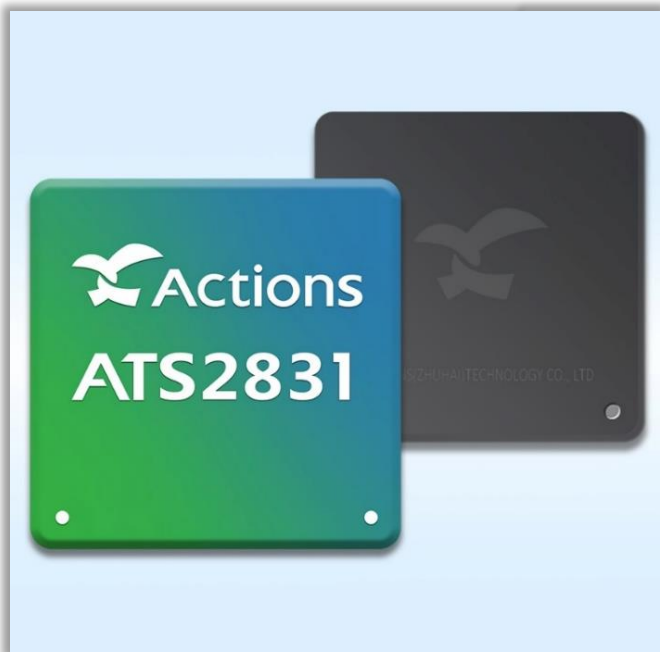


Separate kernel processing
Host CPU does not share resources



Support OTA firmware upgrade

Bluetooth Audio Chip ATS 2831



Integrated application processor
Low power audio dsp
On-chip ROM and RAM



Earphone power consumption is 20mA
Speaker power consumption 20mA~25mA
Standby power consumption 0uA
Connected standby power consumption is about 1mA



Rich decoding format
MP3/WAV/WMA/
FLAC/APE



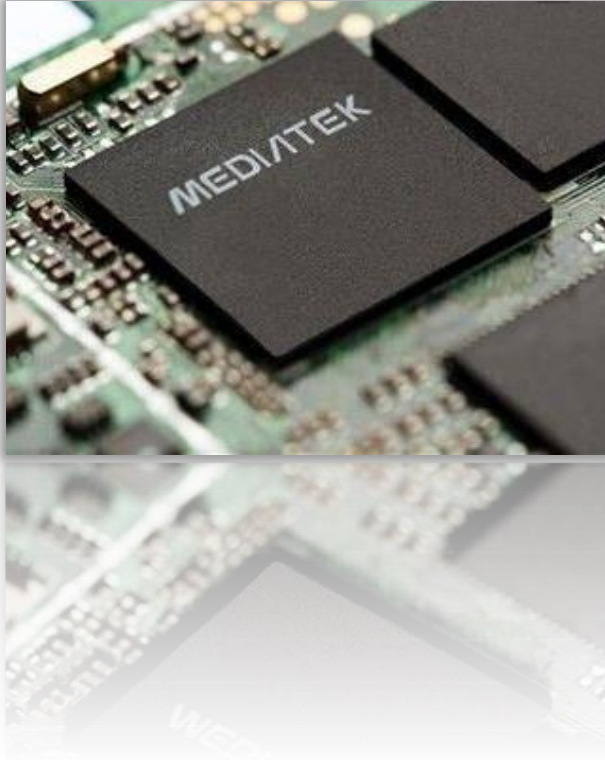
Support broadband voice
Support stereo line input



Sound quality
Good call effect

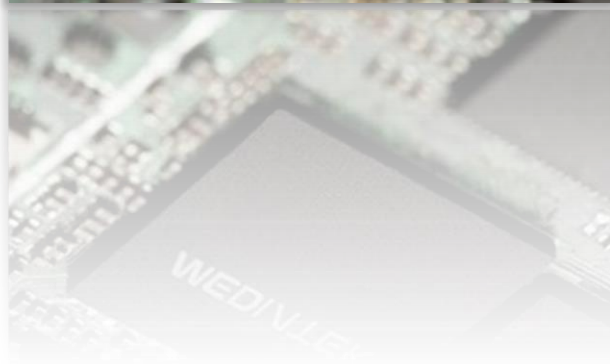
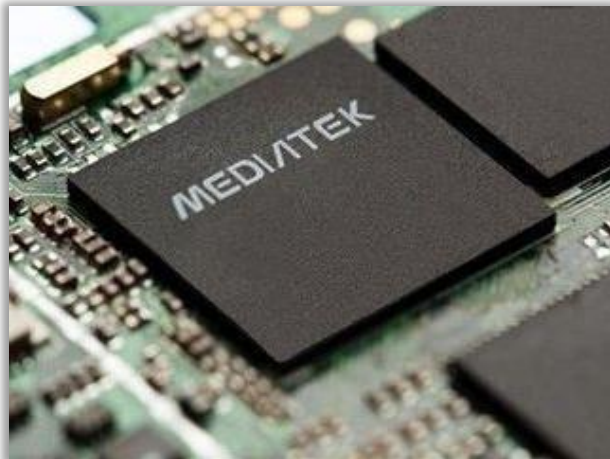


Supports connection
to TWS headphones



MTK Platform (low end)

Chip		Core Features
MTK2502	Volume	Highly integrated system on chip, ultra-thin and thin
	ARM architecture	ARM7EJ-S system package, support dual-mode Bluetooth function and integrated 2G modem
	Low power consumption	Bluetooth 4.0, extreme low power consumption, support mp3 playback
MTK2503	High integration	Highly integrated and positively small SiP
	ARM architecture	SCM unit is ARM7EJ-S core, and embedded memory
	Low power consumption	Extremely low power consumption, supports mp3 playback
	Other	With Bluetooth 3.0, multiple satellite positioning system function support, integrated 2G modem



MTK Platform (high-end)

Chip		Core Features
MTK6731	Processor	28nm process quad-core 64-bit processor, the highest frequency up to 1.1GHz
	Camera	Up to 5 million pixel camera with dual camera option Support 802.11a/b/g/n WiFi, Bluetooth 4.2
	Other	Support GPS/Glonass/Beidou positioning system, support TAS 2.0 smart antenna technology, etc.
M6737	Full Netcom	Support 4G full Netcom network (Cat.4)
	Processor	28nm process technology, integrated four A53 processors, the highest main frequency is 1.3GHz
	Camera	The graphics processor uses ARM's Mali-T720, which supports up to 13M camera
MTK6739	Processor	28nm process, 4-core Cortex-A53, clocked at 1.5GHz
	VoLTE	Support dual card dual VoLTE, uplink 50Mbps, download 150Mbps
	Internet	Support LTE-FDD and TD-LTE networks, support 802.11a/b/g/n WiFi, Bluetooth 4.2
	Other	Support GPS/Glonass/Beidou positioning system, support TAS 2.0 smart antenna technology, etc.

Sports Smart Wearable Solution Series



4G Call Professional Sports Wear Solution

Product Positioning		4G+Bluetooth+Sensor+Precision Motion Algorithm
Solution Platform	ASR platform	ASR 3601
	Bluetooth chip	Apollo 3 BLUE
Core Features	Internet	4G full Netcom technology, support independent calls
	Music	MP3 music player
	Positioning	GPS, Beidou satellite precise positioning
	Heart rate	All-weather intelligent heart rate monitoring
	7 Major Professional sensors	Dynamic optical heart rate sensor, acceleration sensor, gyroscope, electronic compass (geomagnetic), barometer, altimeter, ambient light sensor, etc., accurately monitor various sports states such as swimming, running, riding, etc., allowing you to exercise more freely
	16 Professional sports modes	Preset running, cycling, swimming, mountaineering, skiing, golf and other sports modes to display sports data in real time

Sports Smart Wearable Solution Series



Bluetooth Music Player Professional Sports Wear Solution

Product Positioning		Bluetooth+Music+Sensor+Precision Motion Algorithm
Solution Platform	Bluetooth chip	Apollo 3 BLUE
	Bluetooth audio chip	ATS 2831
Core Features	Call	Support to connect phone calls
	Positioning	Real-time GPS precise positioning
	Music	MP3 music player
	Heart rate	All-weather intelligent heart rate monitoring
	7 Major professional sensors	Dynamic optical heart rate sensor, acceleration sensor, gyroscope, electronic compass (geomagnetic), barometer, altimeter, ambient light sensor, etc., accurately monitor various sports states such as swimming, running, riding, etc., allowing you to exercise more freely
	16 Professional sports modes	Preset running, cycling, swimming, mountaineering, skiing, golf and other sports modes to display sports data in real time
Other		Sport mode selection and addition Support external Bluetooth headset

Product Introduction Of Children's Smart Wearable Solution Series



4G Children's Smart Watch Solution

Product Positioning		4G real-time independent, video call
Solution Platform	Chip	MTK 6737
	Internet	4G full Netcom technical support, independent call
	Call	Video call and micro chat
	Voice	Intelligent AI voice interaction function
	Positioning	GPS/WIFI/base station multiple precise positioning
	Music	MP3 music player
	SOS	SOS one-click calling
	Pay	WeChat/Alipay payment function
	Other	Anti-picking function alarm
		Electronic fence alarm

Product Introduction Of Children's Smart Wearable Solution Series



2G Children's Smart Watch Solution

Product Positioning		Independent call, long standby
Core Features	Solution Platform	MTK 2503
	Call	Independent call, video call and micro chat function
	Standby	Long standby
	Positioning	GPS/WIFI/base station multiple precise positioning
	Music	MP3 music player
	SOS	SOS one-click calling
	Other	Anti-off function alarm Electronic fence alarm

Adult Wearable Solution Series Products



4G Adult Smart Watch Product Solution

Product Positioning		Adult exercise and health monitoring
Solution Platform	Chip	MTK 6737/6739
Core Features	Internet	4G full Netcom, support independent calls
	Health monitoring	Heart rate, blood pressure, blood oxygen and other monitoring functions
	Sports	Collection of various sports data such as running and cycling, and step-by-step calculation
	Audio	Video playback, MP3 music playback
	Video	Intelligent voice function/real-time video
	Positioning	GPS\WIFI\Base station multiple precise positioning
	Go online	Wireless high-speed Internet

Elderly And Health Wear Solution Series Products



4G Elderly And Health Watch Solutions

Product Positioning		Health monitoring, location tracking
Solution Platform	Chip	MTK 6737
Core Features	Internet	4G full Netcom, support independent calls
	Health monitoring	Sleep, heart rate, blood pressure, blood oxygen and other health monitoring functions
	Smart reminder	Smart reminders for taking medicine, sitting for a long time, standing for a long time, etc.
	Positioning	GPS\WIFI\Base station multiple precise positioning
	SOS	Fall monitoring/SOS one-click call for help
	Audio	Intelligent voice function / real-time video call
	Music	MP3 music player
	Sports	Collection of various sports data such as running and cycling
	Pay	WeChat/Alipay payment function

Elderly And Health Wear Solution Series Products



2G Elderly And Health Watch Solutions

Product Positioning		Health monitoring, long standby
Solution Platform	Chip	MTK 2503
Core Features	Call	Support independent call
	Health monitoring	Heart rate, blood pressure, blood oxygen and other monitoring functions
	Positioning	GPS\WIFI\Base station multiple precise positioning
	SOS	SOS one-click call for help
	Standby	Long standby
Music		MP3 music player

Public Version Public Model Wear Solution Series Products

4G Android Version Public Version Public Model Smart Watch Product Solution

Solution Platform	Chip	MTK 6731
	OS	Android 8.1
	Internet	Support 4G full Netcom and independent call
	Positioning	GPS/WIFI/base station and other multiple precise positioning
Core Features	Audio	Intelligent voice function / real-time video call
	Electric fence	Electronic fence setting and alarm reminder
	Music	MP3 music player
	Alarm reminder	Anti-drop alarm
	Go online	Speed wireless internet



Public Version Public Model Wear Solution Series Products



4G RTOS Public Version Public Model Smart Watch Product Solution

Solution Platform	ASR platform	ASR 3601
Core Features	OS	RTOS OS
	Internet	Support 4G full Netcom and independent call
	Positioning	GPS real-time precise positioning
	Electric fence	Electronic fence setting and alarm reminder
	Standby	Long standby
	Music	MP3 music player
	Alarm reminder	Alert of falling off



Smart School Brand Product Solutions

Product Positioning		Campus Card
Solution Platform	Chip	MTK6737
Core Features	Internet	Support 4G full Netcom and independent call
	Interactive	Home-school interaction
	Attendance	Campus Electronic Time Attendance
	Positioning	Real-time GPS precise positioning
	NFC	Bluetooth NFC fast ID identification
	News	Message-directed push
	Pay	Electronic consumer payment



Smart Bike Product Solution

Product Positioning		Travel tool extension equipment to help safe and smart travel
Solution Platform	Chip	MTK6739
Core Features	Internet	Full Netcom technical support
	Alexa platform	Support Amazon Alexa background (Amazon Voice Assistant)
	Main features	Mainly focus on the four core functions of safety, entertainment, social and health
	Intelligent AI	Smart intercom, AI voice control
	Rich interface	Support rich peripheral control interface
	Sensor	Support external sensors, such as: temperature, temperature, air pressure, geomagnetism, etc.



AI Robot Product Solutions

Product Positioning		Voice robot, automatic translation, storytelling machine, etc.
Solution Platform	Chip	MTK6739
Core Features	Full Netcom	Full Netcom technical support
	Smart conversation	Rich and interesting intelligent conversation
	Children education	English-Chinese fast translation, resource on demand
	Standby	Super long standby, support fast charging
	Portable	Portable mobile



Intelligent AI Headset Product Solution

Product Positioning	Portable audio AI products	
Solution Platform	Chip	MTK6739
Core Features	Full Netcom	Full Netcom technical support
		Set leisure, entertainment and convenience in one
	Powerful function	Rich intelligent dialogue, query and on-demand functions
	Intelligent AI	AI intelligent voice control
	Sound quality	High-quality sound effects

Company Advantage

Fise Technology cooperates with MTK/ASR/APOLLO/Actions/Onmicro and other chip companies to customize and develop smart wearable products



Solution Advantages



R&D Advantage

Platform
development
capabilities

With the independent development or combined development capabilities of multiple platforms such as 4G Android platform, 4G RTOS platform, 2G platform, pure Bluetooth platform

Product
development
capabilities

Has the ability to develop a full range of products such as sports series, children's series, elderly health series, adult series, male model series, etc.

Function
development
capability

Full-featured development of wearable products including Android platform functions, precise motion algorithms, assisted motion algorithms, heart rate, health data monitoring, APP background, etc.

Advantages Of Mature Solutions



- Corporate customers include more than **300** high-end companies in industries such as 360, TCL, Skyworth Group, Jiu'an Medical, and Amazon
- Cumulatively developed more than **500** application design solutions

Supply Chain Integration Advantages



Self-built factories and integration of upstream and downstream supply chains have great cost advantages, helping customers to quickly mass-produce and ship the entire machine in **30** days.

Partners

MEDIATEK

Rockchip
瑞芯微电子

KaiOS

亚马逊
amazon.cn

Google

360
www.360.cn

中国电信
CHINA TELECOM
世界触手可及

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NOAIN
Confident World
诺亚信

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中国移动
China Mobile

纽曼 Newman

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THANKS

Connect All Connect Dreams

Technology and Service Provider to Access internet

