

The background of the slide is a blue-tinted aerial view of a city skyline. Overlaid on this are several circular icons representing different technologies: a satellite dish, a microphone, a game controller, a globe with a network grid, a power button, and a radio tower. These icons are connected by thin white lines, suggesting a network or data flow. The overall aesthetic is modern and tech-oriented.

ROCKTECH



ROCKTECH

Enabling an Intelligent Life with Embedded Technologies

CONTENT



01 Company Overview

02 Product Portfolio

03 Application Scenarios

04 Core competencies



01

ROCKTECH

Company Overview

ROCKTECH, a leading brand in high-end embedded field, focusing on providing embedded technology, IoT application systems and industrial intelligence solutions.



ROCKTECH, Leading brand in embedded product development and service.

Established in **2007**, ROCKTECH is focusing on providing *embedded technologies, IoT application systems and industrial intelligence solutions*. Based on rich design experience; demanding quality awareness and a full range of high-quality service, we provide customers in China and the world with high quality products and services.

Company Overview

ROCKTECH

EXPERIENCE IN EMBEDDED PRODUCT
ENGINEERING AND R&D SERVICES

16+ years, Since 2007

PRODUCT LINE

- Embedded Product Line
- IoT Product Line

EMPLOYEES

100+

GLOBAL MARKET, COVERING COUNTRIES

10+

8 Service centers

- ✓ Xi'an (Headquarters)
- ✓ Beijing
- ✓ Shanghai
- ✓ Chengdu
- ✓ Shenzhen
- ✓ Qingdao
- ✓ Xiamen

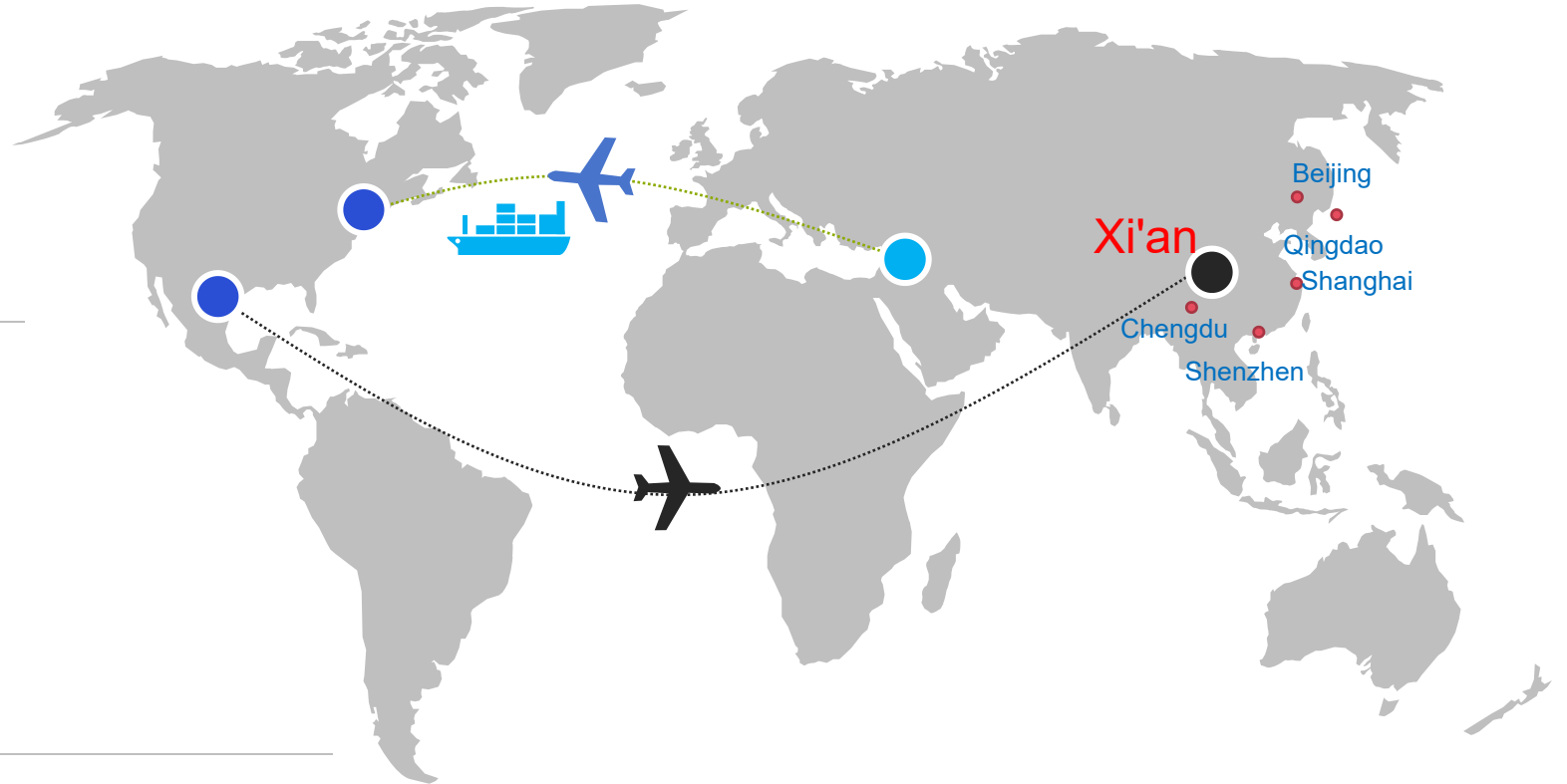
Covering more than 20 cities

- ✓ Wuhan
- ✓ Shenyang
- ✓ Shenzhen
- ✓ Qingdao
- ✓ Hangzhou
- ✓ Nanjing
- ✓ Chengdu
- ✓ Harbin
- ✓ Hong Kong



ROCKTECH started exploring overseas markets in 2018, especially the European and American markets.

ROCKTECH will work with strategic partners to explore more new opportunities overseas.



Global Partners

Core Supplier								
								
								
								
Global Customers								



02

ROCKTECH Product Portfolio

ROCKTECH, a leading brand in high-end embedded field, focusing on providing embedded technology, IoT application systems and industrial intelligence solutions.

ROCKTECH Products Portfolio

ROCKTECH Products

Core board series

NXP
i.MX8



RCB-9818

Rackchip
RK3399K



RCB-8300

Rackchip
RK3568J



RCB-8500

Rackchip
RK3399K



RCB-8408

MEDIATEK
MT8390



RCB-6101

MEDIATEK
MT8370



RCB-6118

Motherboard series

NXP
i.MX6



RSC-312

Rackchip
RK3288



MTB-813B

Rackchip
RK3568



MTB-710

MEDIATEK
MT8390



MTB-612

MEDIATEK
MT8390



MTB-620

Box PC Series

NXP
i.MX6



CPC-1322

NXP
i.MX6



CPC-1615

NXP
i.MX8M



CPC-1812

Rackchip
RK3399



MPC-1911

Rackchip
RK3399K



MPC-1927

Panel PC series

NXP
Rackchip
optional



7 inch

NXP
Rackchip
optional



10 inch

NXP
Rackchip
optional



15 inch

NXP
Rackchip
optional



17 inch

NXP
Rackchip
optional



21 inch

IoT series



Gateway



Router/CPE

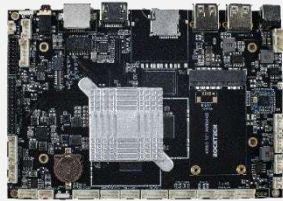


HMI



IoT devices

Product Family



Industrial Motherboard



ARM Box PC



4G/5G Industrial Gateway



4G/5G Industrial Router/CPE



Industrial Panel PC



Industrial HMI



IoT devices



IoT Cloud Platform

Rocktech MediaTek AIOT Genio Product Roadmap

PC BOX

SBC

SOM



The first EDLA (GMS) certificated products on G700.



MTB-601
MTK G700/8G+64
Wifi6 2T+2R/BT5.2 1T+1R
HDMI, EDP, LVDS, DP
MIPI-CSI/ISP
USB3.0, GE, RS232,
PoE60W
DC12V, PD in, PD out
Android13/Linux
300mmX80mm
EDLA Certificated

MTB-602
MTK G700/8G+64
Wifi6 2T+2R/BT5.2 1T+1R
MIPI, HDMI, EDP, LVDS, DP
MIPI-CSI
USB3.0, GE, RS232, PoE30W
DC12V, PD in, PD out
Android13/Linux
140mmX100mm
EDLA Certificated



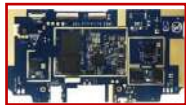
MPC-1612
PC-BOX
MTK G700&G510



MTB-612/613
3.5" SBC for LGA SOM
MTK G700&G510



MTB-620/630
3.5" SBC for SMARC 2.1 SOM
MTK G700&G510



Livestreaming Device MB
MTK G1200



3.5" SBC for LGA SOM
MTK G1200



3.5" SBC for SMARC 2.1 SOM
MTK G1200



RCB-6100
LGA SOM
MTK G700
4G+32G/8G+64G
Wifi6 2T+2R/BT5.2 1T+1R
Android13/Linux
-20~60/-20~70
68mmX51mm



RCB-6101/6111
LGA SOM
MTK G700/G510
4G+32G/8G+64
Wifi6 2T+2R/BT5.2 1T+1R
PCIe 2.0(Optional)
Android13/Linux
-20~60/-20~70
68mmX51mm



RCB-6108/6118
SMARC 2.1 SOM
MTK G700/G510
4G+32G/8G+64
PCIe 2.0
Android13/Linux
-20~60/-20~70



LGA SOM
MTK G1200
4G+32G/8G+64
Wifi6 2T+2R/BT5.2 1T+1R
PCIe 2.0(Optional), PCIe 3.0
Android13/Linux
-20~60/-20~70
68mmX51mm



SMARC 2.1 SOM
MTK G1200
4G+32G/8G+64
PCIe 2.0, PCIe 3.0
Android13/Linux
-20~60/-20~70

2023.06

2024.03

2024.06

2024.09

SoM

RCB-6101/6111



Feature:

- MediaTek Genio 700/510 platform
- On board LPDDR4X 4GB/8GB; eMMC5.1: 16GB/32GB/64GB
- MT7921 WIFI6 2T2R+BT5.2 1T1R (optional)
- EDP, DP, HDMI, MIPI, LVDS, USB3.0 and etc
- 4K Display, Dual Screen Display, AI, Camera&ISP, HiFi-5 and etc

Spec.

CPU	RCB6101	MTK MT8390 (Genio 700) A78*2@2.2GHz+A55*6@2GHz
	RCB6111	MTK MT8370 (Genio 510)A78x2@2GHz+A55x4@2GHz
Memory	DDR	On-board LPDDR4X 8G
	eMMC	On-board eMMC5.1 64G
Wireless	WiFi&BT	On-board MT7921 WiFi6 2T2R + BT 5.2 1T1R (optional)
I/O	I/O	MIPI_DSI、MIPI_CSI、EDP、DP、HDMI、USB3.1、USB2.0、ENIC、Audio、PCIe2.0 (optional)
Power Supply	Voltage	DC4.2V /3A
Environment	Op. Temp.	-20°C-65°C
	Op. Humidity	0-90%
Dimensions	Dimensions	68mm(L)*51mm(W)
Form Factor	Form Factor	LGA, 316 pin
OS	OS	Android13/Linux

SoM

RCB-6108/6118



Feature:

- MediaTek Genio 700/510 platform
- On board LPDDR4X 4GB/8GB; eMMC5.1: 16GB/32GB/64GB
- SMARC2.1 standard
- WIFI6 2T2R+BT5.2 1T1R (optional)
- EDP, DP, HDMI, MIPI, LVDS, USB3.0 and etc
- 4K Display, Dual Screen Display, AI, Camera&ISP, HiFi-5 and etc

Spec.

CPU	RCB6108	MTK MT8390 (Genio 700) A78*2@2.2GHz+A55*6@2GHz
	RCB6118	MTK MT8370 (Genio 510)A78x2@2GHz+A55x4@2GHz
Memory	DDR	On-board LPDDR4X 8G
	eMMC	On-board eMMC5.1 64G
I/O	I/O	MIPI_DSI、MIPI_CSI、EDP、DP、HDMI、USB3.1、USB2.0、ENIC、Audio、PCIe2.0
Power Supply	Voltage	DC 3.3V
Environment	Op. Temp.	-20°C-65°C
	Op. Humidity	0-90%
Dimensions	Dimensions	82mm(L)*50mm(W)
Form Factor	Form Factor	SMARC 2.1 314 pin 0.5mm pitch R/A inner socket connection
OS	OS	Android13/Linux



SoM

RCB-8500



Feature:

- RockChip RK3568/RK3568J (optional)
- Quad-core Cortex-A55
- Dual display, LVDS/MIPI-DSI/RGB/eDP/HDMI
- USB2.0/USB3.0/PCIE3.0/PCIE2.1/SATA3.0/QSGMII/2X1 Lane

Spec.		
CPU	CPU	RK3568 Quard-core ARM Cortex-A55
Memory	DDR	On-board LPDDR4X 2G
	eMMC	On-board eMMC 16G
Display	Display	1*HDMI,2*MIPI_DSI,1*EDP
LAN	RGMII	2*10/100/1000 Mbps
I/O	I/O	1*PCIE,1*PWM ,5*ADC ,1*SDIO
Power Supply	Voltage	DC 3.3V~3.5V
Environment	Op. Temp.	-20℃-65℃
	Op. Humidity	0-90%
Dimensions	Dimensions	46mm(L)*42mm(W)
Form Factor	Form Factor	LGA 453Pin
OS	OS	Android13/Linux

SoM

RCB-8800



Feature:

- RockChip RK3588 2.4GHz(A76)/1.8GHz(A55)
- Cortex-A76*4+Cortex-A55*4+NPU6TOPS
- LPDDR4X 4GB/8GB/16GB
- eMMC 16GB/32GB/64GB/128GB
- PCIe3.0/PCIe2.0/SATA3.0/RGMII/TYPER-C/USB3.1/USB2.0 interface

Spec.		
CPU	CPU	RK3588 4*Cortex-A76+4*Cortex-A55
Memory	DDR	On-board LPDDR4X 8G
	eMMC	On-board eMMC 64G
Power Solution	PMIC	RK806-1
I/O	I/O	MIPI_DSI、MIPI_CSI、EDP、DP、HDMI、SATA、USB3.0、USB2.0
Power Supply	Voltage	DC12V
Environment	Op. Temp.	-20°C-60°C/-20°C-70°C
	Op. Humidity	0-90%
Dimensions	Dimensions	68mm(L)*50mm(W)
Form Factor	Form Factor	
OS	OS	Android13/Linux

Industrial Motherboard

MTB-612/613



Feature:

- SOM(LGA 316pin)+ baseboard mode
- MediaTek Genio 700/510 platform
- MT7921 WIFI6 2T2R+BT5.2 1T1R (optional)
- HDMI、LVDS、MIPI、EDP display interface
- Support 4G module , POE extension
- supports multiple display interfaces, touchscreen specifications, and external device connections

Model		MTB-612/613
Design mode	SOM + Baseboard mode (RCB6101/6111+MTB612)	
OS	OS	Android 13/Ubuntu/Yocto
	CPU	MTB612: MT8390 (Genio 700)A78x2@2.2GHz+A55x6@2GHz
Processor	CPU	MTB613: MT8370(Genio510) A78x2@2GHz+A55x4@2GHz
	DDR	On-board LPDDR4X 8G
Memory	Storage	On-board eMMC 64G
	Display	Interface 1xHDMI, 1xeDP ,1xDP, 1xLVDS_D8
Camera	MIPI-CSI	1x30P B2B CN
Wireless	LTE	1xMini PCIe、 1x SIM
	LAN	1x10M/100/1000Mbps RJ45 port (Supports POE extension)
	WIFI&BT	WiFi6 2T2R+BT5.2 1T1R(MT7921)
Peripheral	Touch	I2C 6Pin FPC/6Pin PH
	USB	1xTypeC OTG、 2xUSB3.0 Type A、 1xTypeC USB3.0、 1xUSB2.0_PH、 5xUSB2.0_GH
	RS232	1xTTL 4Pin_PH、 1xRS232 9Pin_GH、 1xRS232 6Pin_GH
	AUDIO	Lineout 3.5mm、 SPK_PH、 MIC_PH
Power Supply	Voltage	DC12V DC2.5/ PD_IN TypeC
Dimension	Dimension	140mm (L) *110mm (W)
Environment	Op. Temp.	0°C-60°C
	Op. Humidity	0%~90% relative humidity, non-condensing

Industrial Motherboard

MTB-620/630



Feature:

- SOM (Smarc 2.1) + baseboard mode
- MediaTek Genio 700/510 platform
- HDMI、LVDS、MIPI、EDP display interface
- RTL8852 Wifi6&BT 5.0 (optional)
- Support 4G module , POE extension
- Standardized interfaces and slots for connecting various peripherals and expansion modules

Model		MTB-620/630
Design mode	SOM+ Baseboard mode (RCB6108/6118+RCB6101)	
OS	OS	Android 13/Ubuntu/Yocto
Processor	CPU	MTB620: MT8390 (Genio 700)A78x2@2.2GHz+A55x6@2GHz
	CPU	MTB630: MT8370(Genio510) A78x2@2GHz+A55x4@2GHz
Memory	DDR	On-board LPDDR4X 8G
	Storage	On-board eMMC 64G
Display	Interface	1xHDMI, 1xeDP ,1xDPI, 1xLVDS_D8
Wireless	WIFI&BT	RTL8852 Wifi6&BT 5.0
	4G/5G	Choose one (patch): 4G: MINIPICIE ,5G: M.2
Peripheral	IO	1x PCIe(PCIEA),1x RESET / RECOVERY, SPI/IIC/ADC_IO*2/ON
	USB	USB3A*2(DOUBLE),USB3C*1(DOUBLE DP), USB2A*2(DOUBLE),USB2P*4,OTG_C
	UART	DEBUG_TTL/232、4xRS232/RS485
	AUDIO	Lineout 3.5mm、SPK_PH、MIC_PH
Power Supply	Voltage	DC12V DC2.5/ PD_IN TypeC
Dimension	Dimension	144mm (L) *102mm (W)
Environment	Op. Temp.	0°C-60°C
	Op. Humidity	0%~90% relative humidity, non-condensing

Industrial Motherboard

MTB-813B



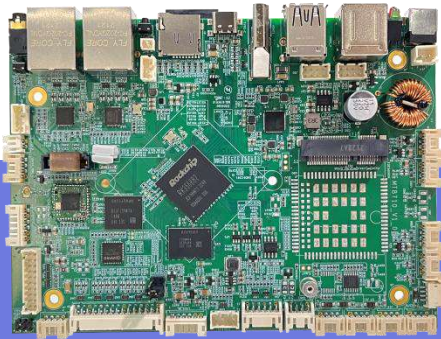
Feature:

- Rockchip RK3288 Quad-core A17
- HDMI、LVDS、MIPI、EDP display interface
- 8xUSB2.0、4x RS485/RS232
- 1*GbE、WiFi&BT
- Support 4G module (LCC optional)
- 3.5 "universal board type

Model		MTB-813B
OS	OS	Android 11/Linux Ubuntu
Processor	CPU	Quad core Cortex-A17
Memory	Technology	Onboard 2GB LPDDR4, 4GB optional
Storage	Form	Onboard 8GB EMMC, 16GB/32GB/64GB optional
Display	HDMI	1*HDMI Type-A interface
	EDP	1*20 pin 4Lane socket
	LVDS	1*30pin dual-eight LVDS interface
	MIPI	1*40 pin_0.5mm FPC
IO	GPIO	6*GPIO, 1* SPI/GPIO reuse, 3*I2C/GPIO reuse
	Audio	1*Line out(standard 3.5mm socket), 1*4Pin8Ω/5W speaker
	USB	1*OTG(Type-C), 1* USB2.0(Type-A), 6*USB2.0(PH2.0_4pin)
	Serial port	2*RS232 , 1*RS485 (PH2.0_4pin)
	SPI	1*PH2.0_6pin
	I2C	1*I2C PH2.0_6pin
	SIM	1*SIM card
	SD	1*SD card
	Mini PCIe	1 *Mini PCIe (Support 4G full Netcom standard module), 1 SIM Slot
	Ethernet	2*10/100/1000Mbps RJ45 port
Communication Interface	4G	3/4G optional
	WiFi&BT	WiFi IEEE802.11b/g/n+BT4.2
	Safety features	Watchdog timer
Power supply	Voltage range	12V DC, With overvoltage and overcurrent protection, anti-reverse connection protection, DC2.5, PH2.54*2
	Dimension	146mm (L) *100mm (W)
Environment	Op. Temp.	0°C-60°C
	Op. Humidity	0%~90% relative humidity, non-condensing

Industrial Motherboard

MTB-710



Feature:

- RockChip ARM **RK3568** Quad Core Cortex-A55 2.0GHz
- **Android 11/Linux Ubuntu** operating system
- 1.0 TOPS NPU
- Onboard 2/4GB LPDDR4
- Onboard 8GB eMMC, expandable to support 16GB/32GB/64GB
- LVDS, EDP, MIPI, HDMI USB2.0, RS232, RS485, TTL
- 100M Ethernet port, 4G, WiFi, BT

Model		MTB-710
OS	OS	Android 11/Linux Ubuntu
Processor	CPU	Quad core Cortex-A55 2.0GHz
Memory	Technology	Onboard 2GB LPDDR4, 4GB optional
Storage	Form	Onboard 8GB EMMC, 16GB/32GB/64GB optional
Display	HDMI	1*HDMI Type-A interface
	EDP	1*EDP socket
	LVDS	1*dual-eight LVDS interface
	MIPI	1*MIPI-DSI socket
IO	GPIO	12*GPIO
	Audio	1 * Line out(standard 3.5mm socket), 1 *4Pin8Ω/5W speaker
	USB	1 OTG(Type-C), 3 USB2.0(Type-A), 1 USB3.0(Type-A), 4 USB2.0(PH2.0)
	Serial port	4*RS232 /RS485 PH2.0 4PIN
	SPI	1*SPI socket
	I2C	1*I2C socket
	CAN	2*CAN
	SATA	1*SATA
	Mini PCIe	1 *Mini PCIe (Support 4G full Netcom standard module), 1 SIM Slot
Communication Interface	Ethernet	2*10/100/1000Mbps RJ45 port
	4G	3/4G optional
	WiFi&BT	WiFi IEEE802.11b/g/n+BT4.2
Safety features	Watchdog timer	1*CPU watchdog, Time interval 0~128s
Power supply	Voltage range	12V DC, With overvoltage and overcurrent protection, anti-reverse connection protection, DC2.5, PH2.54*2
Dimension	Dimension	150mm (L) *110mm (W)
Environment	Op. Temp.	0°C-60°C
	Op. Humidity	0%~90% relative humidity, non-condensing

ARM Box PC

CPC-1615



Feature:

- NXP i.MX6 Cortex-A9 1.0GHz 4-core
- DDR3 1066MHz 2G
- Onboard 16G eMMC, extension support 32GB/64GB
- 1-way Mini PCIe interface
- 6-way USB, 4-way RS232, 1-way RS485,
- HDMI, LVDS
- 1-way GbE

Model		CPC-1615
OS	Android	Android 4.4.2 version
Processor	CPU	NXP ARM Cortex-A9 i.MX6 Quad core 1.0GHz
Memory	Technology	Onboard 2GB DDR3 1066 MHz
Storage	Form	Onboard 16GB eMMC, expandable to support 32GB/64GB
Display	HDMI	1* Tpye-A HDMI
	LVDS	1 * dual-eight LVDS with backlight interface
I/O	Mini PCIe	1* built-in Mini PCIe (support 3G/4G standard module)
	USB	6 * USB 2.0(Type-A), 1*OTG (Micro USB)
	Audio	2 * 5W/CH power amplifier
	UART	4* RS232(DB9),1* RS485(3Pin green terminal)
	SIM card	1* standard SIM card
	TF card	1* TF card slot
Communication Interface	Ethernet	1* 10M/100M/1000M bps RJ45 interface
	4G	3/4G optional
Watchdog timer	Software&Hardware	1* onboard independent hardware watchdog, 0 ~1.6 seconds
Power supply	Input voltage range	12V DC, Overvoltage and overcurrent protection, anti-reverse connection protection.
Dimension	Mechanical Dimensions	188 (L) * 128mm (W) *42mm(H)
Environment	Op. Temp.	-20℃~70℃
	Op. Humidity	0%~90% relative humidity, non-condensing

ARM Box PC

CPC-1821



Feature:

- NXP i.MX8MPlus 4xCortex-A53 1.8GHz
- LPDDR4 4GB
- onboard 16G eMMC, Expandable support 32GB/64GB
- 1*Mini PCIe
- 4*USB3.0,2*USB2.0, 4*RS232,1*RS485
- HDMI, LVDS

Model		CPC-1821
OS	Android	Android 11.0
Processor	CPU	NXP i.MX8MPlus 4xCortex-A53 1.8GHz
Memory	Technology	onboard 4GB LPDDR4
Storage	Form	Onboard 16GB eMMC, Expandable support 32GB/64GB
Display	HDMI	1*HDMI type A
	LVDS	1*LVDS with backlight interface
I/O	Mini PCIe	1* built-in Mini PCIe
	USB	2*USB 2.0(Type-A), 4*USB3.0(Type-A) 1*OTG (Micro USB)
	Audio	2* 5W/CH power amplifier
	UART	4*RS232(DB9),1*RS485(3Pin Green terminal)
	SIM card	1* standard SIM card
	TF card	1* TF card slot
Communication	Ethernet	1*10M/100M/1000M bps RJ45
	4G	3/4G optional
WDT	Software&Hardware	1* independent hardware watchdog on board, 0-1.6 seconds
Power	Voltage range	12V/DC, with overvoltage and overcurrent protection, and anti-reverse connection protection
Dimension	Mechanical dimensions	188 (L) * 128mm (W) *42mm(H)
Environment	Op. Temp.	-20°C~70°C
	Op. Humidity	0%~90% relative humidity, non-condensing

ARM Box PC

CPC-1911



Feature:

- RockChip ARM RK3399, double-core Cortex-A72 + 4-core Cortex-A53 architecture, 64bit CPU, 2.0GHz
- Android 7.1.2 operation system
- Onboard 2GB DDR3 1600 MHz
- Onboard 16GB eMMC, extension support 32GB/64GB
- Mini PCIe
- LVDS、HDMI、USB、Audio、RS232、RS485
- WiFi, bluetooth, gigabit network interface
- 4G double card single standby

Model		MPC-1911
OS	OS	Android 7.1.2
Processor	CPU	RK3399K, 64 bits CPU, up to 1.8 GHz
Memory	Technology	Onboard 2GB DDR3 1600MHz
Storage	Form	Onboard 16GB eMMC, expandable to support 32GB/64GB
Display	LVDS	1*30Pin dual-eight LVDS interface
	HDMI	1*HDMI Type-A interface
IO	Mini PCIe	1 *Mini PCIe (Support 4G full Netcom standard module)
	USB	6*Type-A USB2.0, 1*Type-C OTG
	Audio	1*Line out, 1*MIC, all are 3.5mm standard sockets; 2* 3.5mm 8Ω/5W Speaker socket
	Serial port	4*RS-232 Communicate(DB9); 2*RS-485 Communicate (3Pin Green terminal)
	TF card	1*TF card slot
	SIM card	2*Micro SIM card slot, Dual card single standby
Communication Interface	Ethernet	5*100M bps RJ45 interface
	Wifi&BT	WiFi IEEE802.11b/g/n+BT4.0 Shared module
Safety features	Watchdog timer	1*CPU watchdog, Time interval 0~128s
Power supply	Voltage range	12V DC, 4pin S-terminal, With overvoltage and overcurrent protection, anti-reverse connection protection
Environment	Op. Temp.	Operating temperature: -20°C-70°C Storage temperature: -40°C-85°C
	Op. Humidity	0%~90% relative humidity, non-condensing
Dimension	Mechanical dimension	194mm (L) *120mm (W) *47mm (H)

Industrial Panel PC

MDC-10813



Feature :

- 10.1-inch capacitive touch integrated screen
- RK3288, Android 7.1 OS
- 2GB DDR3
- 8GB EMMC
- Resolution 1280*800
- Machine Brightness: 300nits
- USB2.0 、RS232、RS485、100M network port、4G (optional) 、WIFI、BT

MDC-10813			
Display	Resolution 1280*800	Communication Interface	RJ45: 1*100Mbps RJ45 Interface
	Machine Brightness: 300nits		4G: 1*Mini PCIe (Support 4G full Netcom standard module)
	Multi-point capacitive touch		WIFI&BT: 5G/2.4GHz IEEE802.11b/g/n BT4.0
Configuration	OS: Android 7.1/ Android 11	Other	USB: 4*USB2.0 Type-A 1*OTG Type-A
	CPU: RK3288, Quad core Cortex-A17 up to 1.8GHz		SIM: 1*SIM
	Memory: Onboard 2GB DDR3, 4GB optional		TF: 1*TF card
	EMMC: Onboard 8GB EMMC, 16GB optional		SPK: 1*PH2.0 4Pin 8Ω5W horn socket
I/O	GPIO: 4* GPIO interface		HDMI: 1*A HDMI interface
	RS232: 2*RS232		LED Indicator: 1*PWR 1*STATUS
	RS485: 1*RS485		MIC: 1*Four 3.5mm headphone sockets
	TTL: 1*TTL		
Input	DC~12V (DC5.5*2.1mm)	Op. Temp.	0°C~60°C
Overall size	262.3mm*176.3mm*24.9mm	Op. Humidity	Relative humidity 0%~90%, non-condensing

Industrial Panel PC

MDC-21813

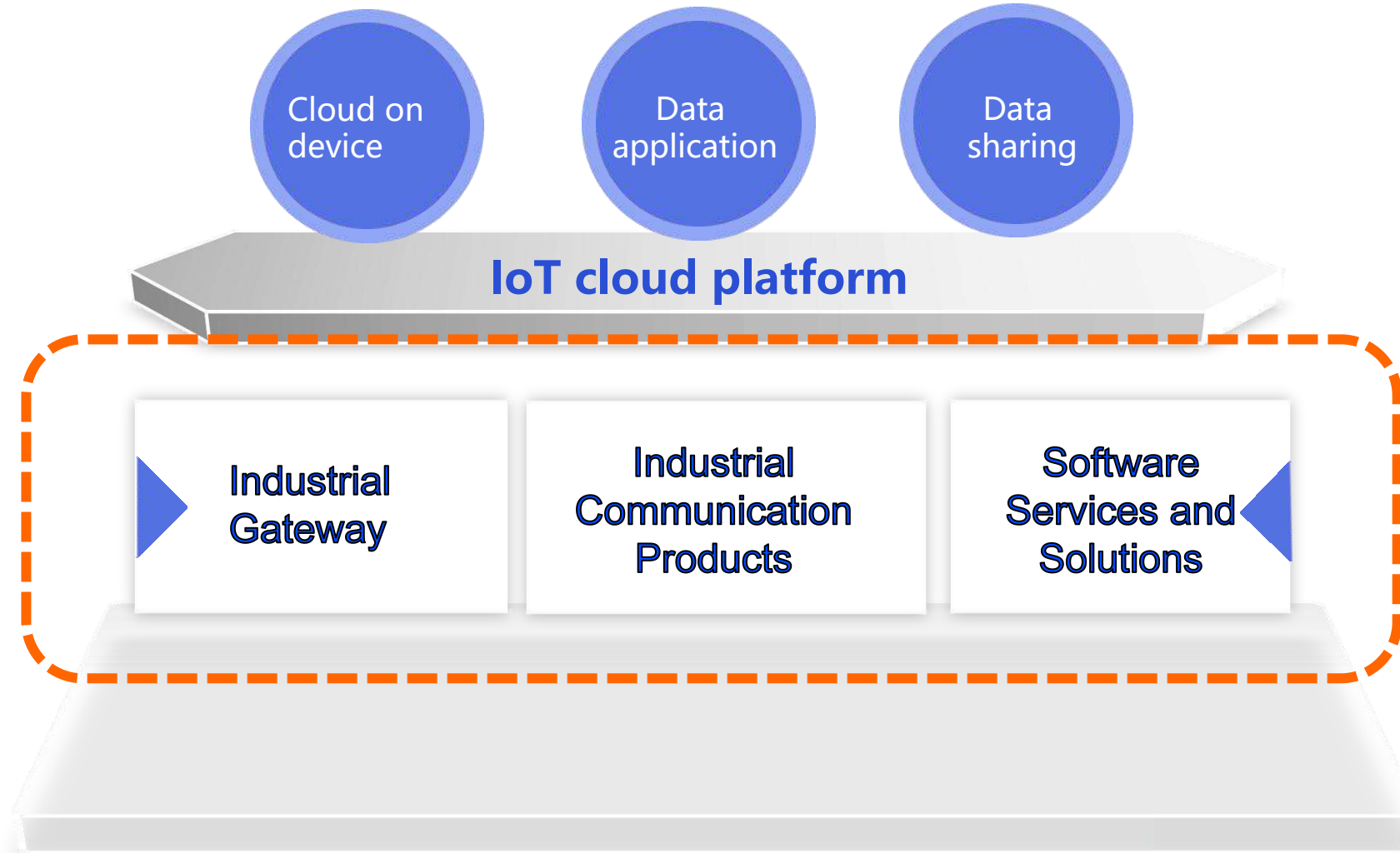


Feature :

- 21.5-inch capacitive touch integrated screen
- RK3288, Android 7.1 / Android 11
- 2GB DDR3
- 8GB EMMC
- Resolution 1920*1080
- Machine Brightness: 350cd/m²
- USB2.0 、 RS232、 RS485、 100M network port、 4G (optional) 、 WIFI、 BT

MDC-21813			
Display	Resolution 1920*1080	Communication Interface	RJ45: 1*100Mbps RJ45 Interface
	Machine Brightness: 350cd/m ²		4G: 1*Mini PCIe (Support 4G full Netcom standard module)
	Multi-point capacitive touch		WIFI&BT: 5G/2.4GHz IEEE802.11b/g/n BT4.0
Configuration	OS: Android 7.1/Android 11	Other	USB: 6*USB2.0 Type-A
	CPU: RK3288, Quad core Cortex-A17 1.8GHz		SIM: 1*SIM
	Memory: Onboard 2GB DDR3, 4GB optional		TF: 1*TF card
	EMMC: Onboard 8GB EMMC, 16GB optional		SPK: 1*PH2.0 4Pin 8Ω5W horn socket
I/O	GPIO: 4* GPIO interface		HDMI: 1*A HDMI interface
	RS232: 2*RS232 (DB9 connector)		LED Indicator: 1*PWR 1*STATUS
	RS485: 1*RS485 (DB9 connector)		MIC: 1*Four 3.5mm headphone sockets
Input	DC~12V (DC5.5*2.1mm)	Op. Temp.	0℃~60℃
Overall size	524mm*315.5mm*60.8mm	Op. Humidity	Relative humidity 0%~90%, non-condensing

IoT Series Products





03

ROCKTECH Application Senerio

ROCKTECH, a leading brand in high-end embedded field, focusing on providing embedded technology, IoT application systems and industrial intelligence solutions.

Applications

Smart
Manufacturing



Intelligent
loom



Machine
tools



Environmental
monitoring terminal



Medical &
Healthcare



Charging
pile



Smart Retail



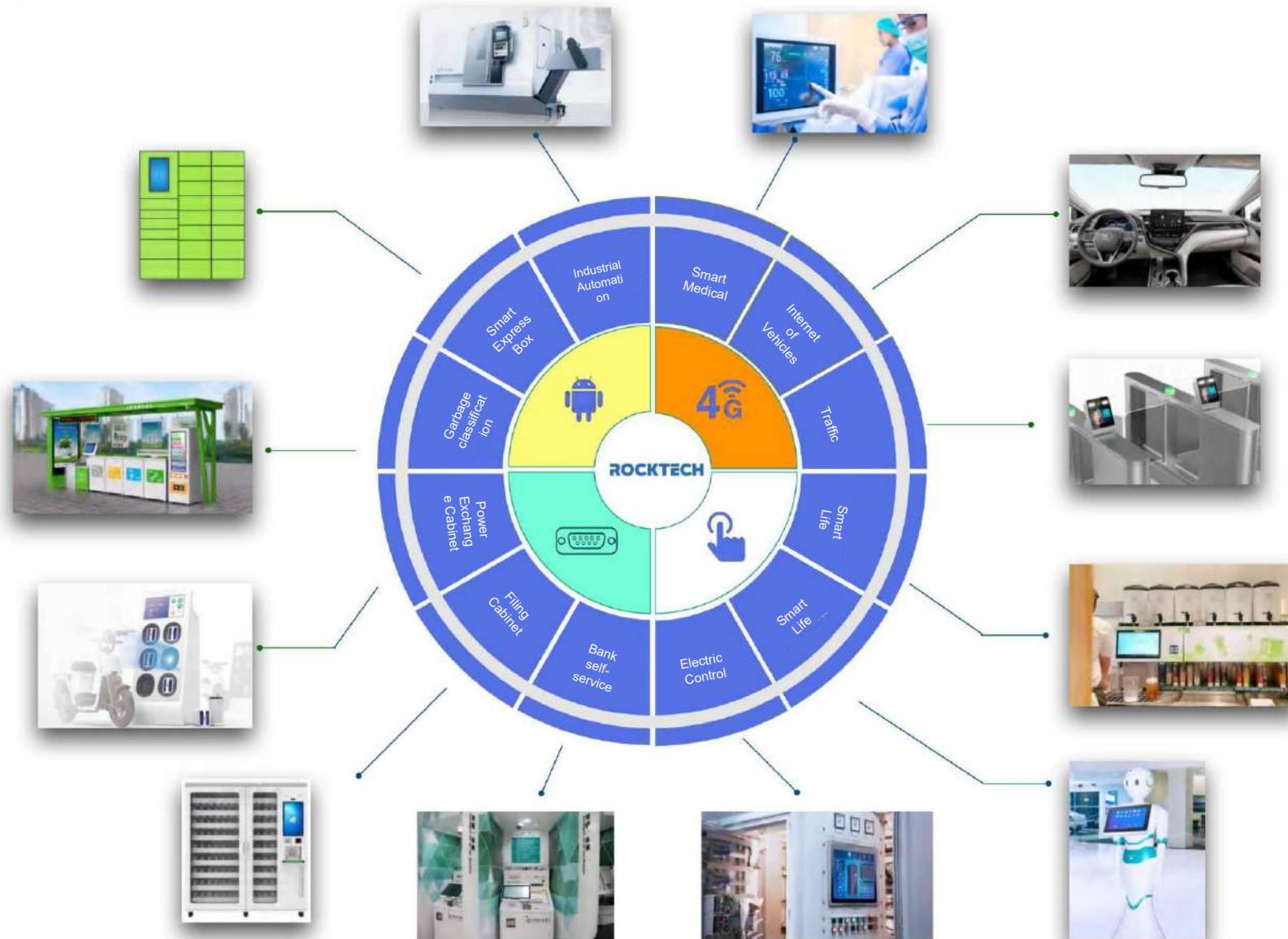
Smart City



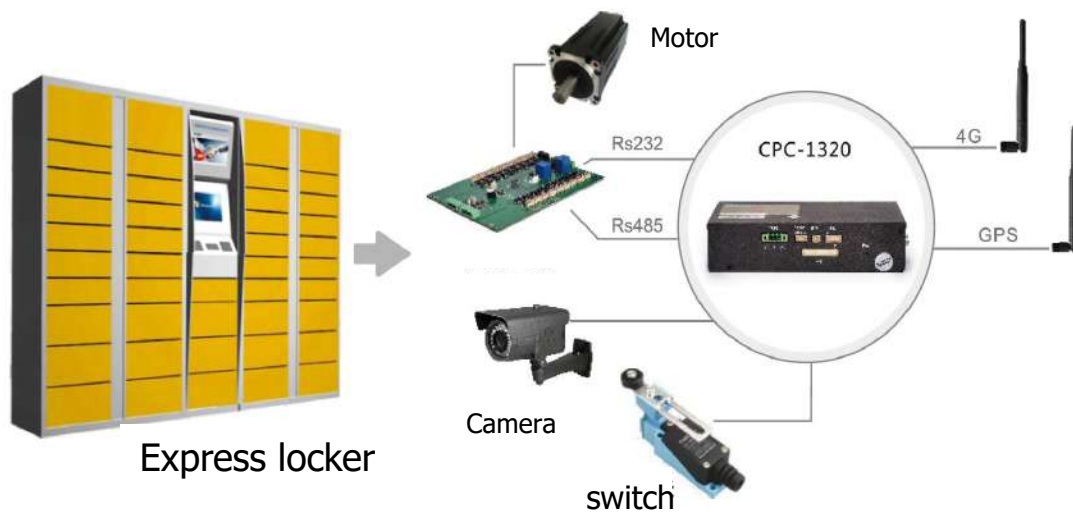
Power
monitoring
terminal



► Main Solutions



Smart city: self-service terminal application solution



RSC-610



RLC-24EC



PPC-21320

Product: CPC-1320

Smart city self-service terminal

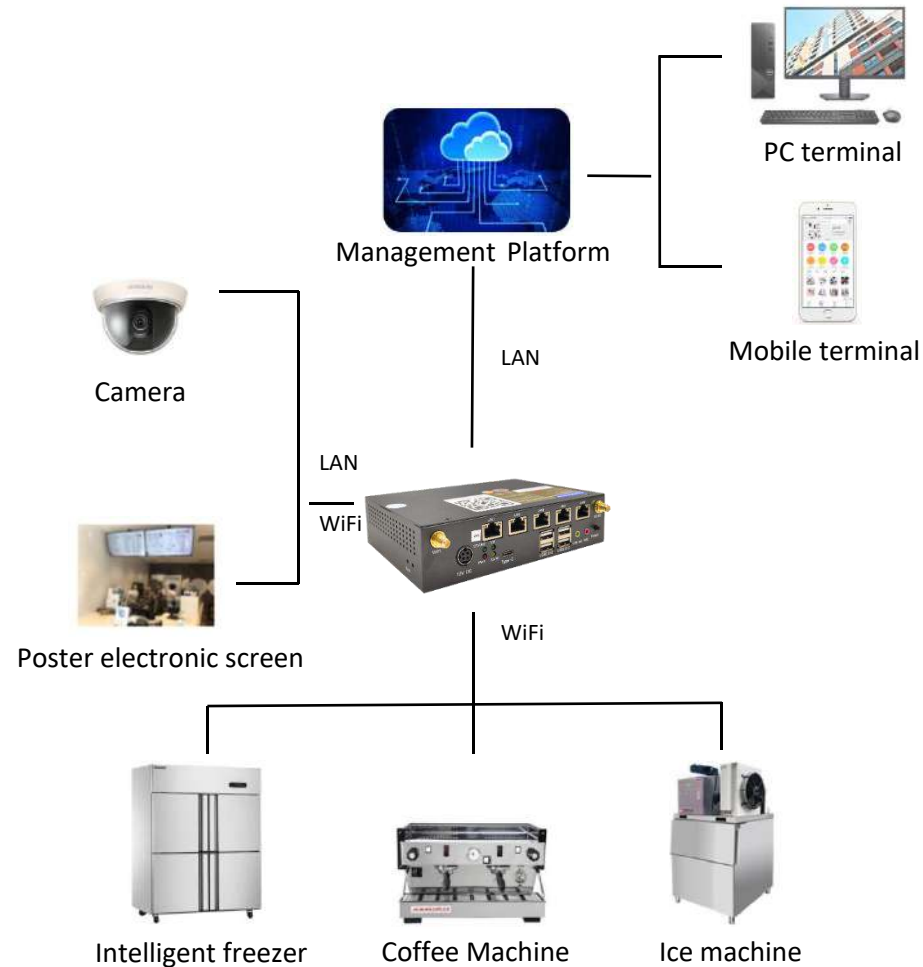
ROCKTECH uses information and communication technology, detects, analyzes and integrates smart city self-service terminal data, provides accurate and stable solutions and products, and realizes intelligent management and operation of urban automatic terminal equipment. At present, the scheme is mainly used in intelligent express cabinets, self-service book borrowing machines, self-service wardrobe and other industries.

Characteristic

-20 ° C~70 ° C, support secret keyboard, coin slot, identity recognition and other functions support 3G/4G external antenna, WIFI external antenna, infrared, gigabit network interface, Custom Industrial Android OS, linux OS, screen 7-52 inches optional



Intelligent Store Solution



Intelligent store solution

Based on technologies such as the Internet of Things and big data analysis, integrated online and offline services and operations are achieved through intelligent hardware in offline stores. Create an intelligent and precise user experience to provide data guidance for brand marketing strategies.

Advantages

Audio and video decoding: uploading electronic posters through the background

5*network port: connecting the main network and camera

WiFi AP function: WiFi networking for devices such as freezers, coffee machines, and electronic screens

Integrated solution: A single device solves the networking and task distribution of all devices in the store

Product Features

RK3399

Android 7.1

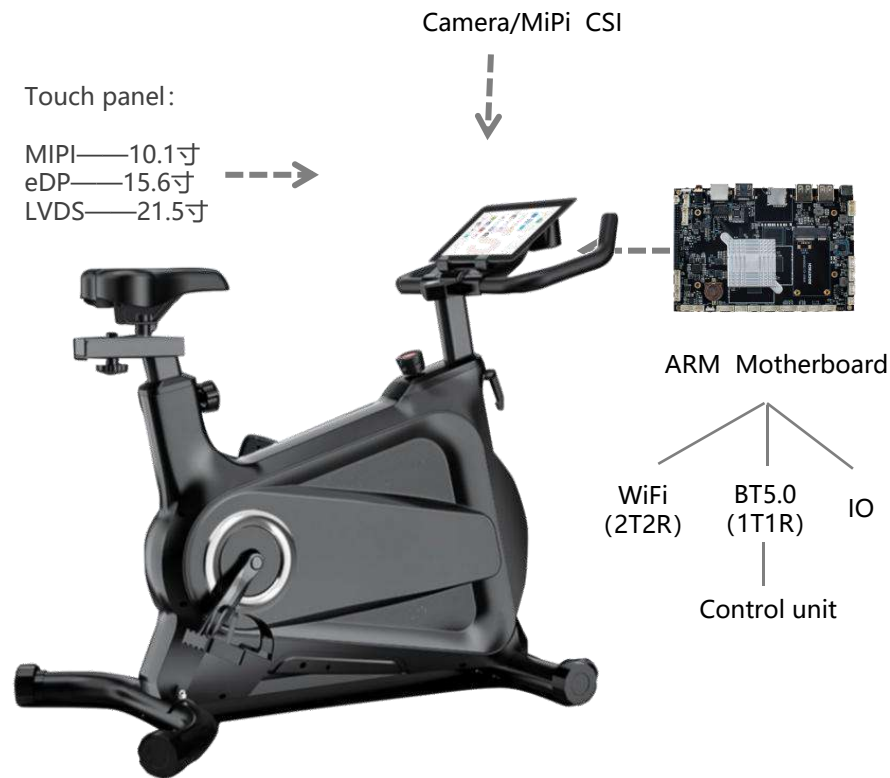
5*network interface, WiFi AP function

USB 2.0、2*RS485

Available products

MPC-1911-R03(BOX)

Fitness equipment application



Panel PC MDC-15818



Features:

- RockChip ARM RK3288 Quad Core Cortex-A17 1.8GHz
- Android 7.1 operating system
- 2GB DDR3 1600 MHz onboard
- 8GB onboard eMMC, expandable to support 32GB/64GB
- LVDS, EDP, MIPI, HDMI
- USB2.0, RS232, RS485, TTL
- 100M Ethernet port, 4G, Wi-Fi, BT

Main application scenarios :

- Treadmill , Stationary bicycle, The elliptical machine, Rowing machine



Smart Payment Application Scenarios



Smart payment

In the digital age, the landscape of financial transactions has been revolutionized by smart payment applications. The appeal of smart payment applications lies in their user-friendly interfaces, which simplify the payment process, and their robust security features that protect against fraud and unauthorized access.

Product Features

MTK G700/G510

4G+32G/8G+64

Wifi6 2T+2R/BT5.2 1T+1R

MIPI, HDMI, EDP, LVDS, DP

USB3.0, GE, RS232, PoE30W

DC12V, PD in, PD out

Android13/Linux

EDLA Certificated



04

ROCKTECH

Core competencies

ROCKTECH, a leading brand in high-end embedded field, focusing on providing embedded technology, IoT application systems and industrial intelligence solutions.

Platform Design Capability

MEDIATEK

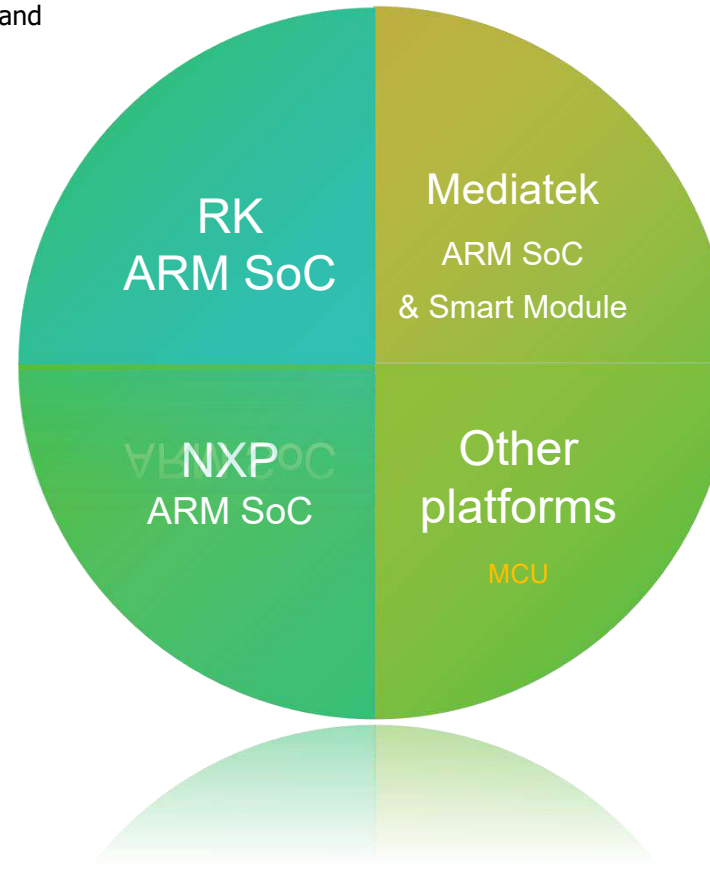
RK platform

The main ARM platform is designed based on core/NPU, GPU/key peripherals such as A9/A17/A53 A55/A72/A73, and the design covers CPU applications.



NXP platform

The main ARM platform is designed based on cores ,GPU/NPU, network, interface, etc. such as A9/A53, and the design covers CPU applications.



MTK Genio 700 2XA78+6XA55

Smart module SOM platform

Based on Qualcomm, MTK and other platforms, MSM8917/8953/SDM450/MTKMT8768, MT8173 and other mainstream 4/8+ core module applications.

MP of 12+ motherboards, shipping 30KPCS support;

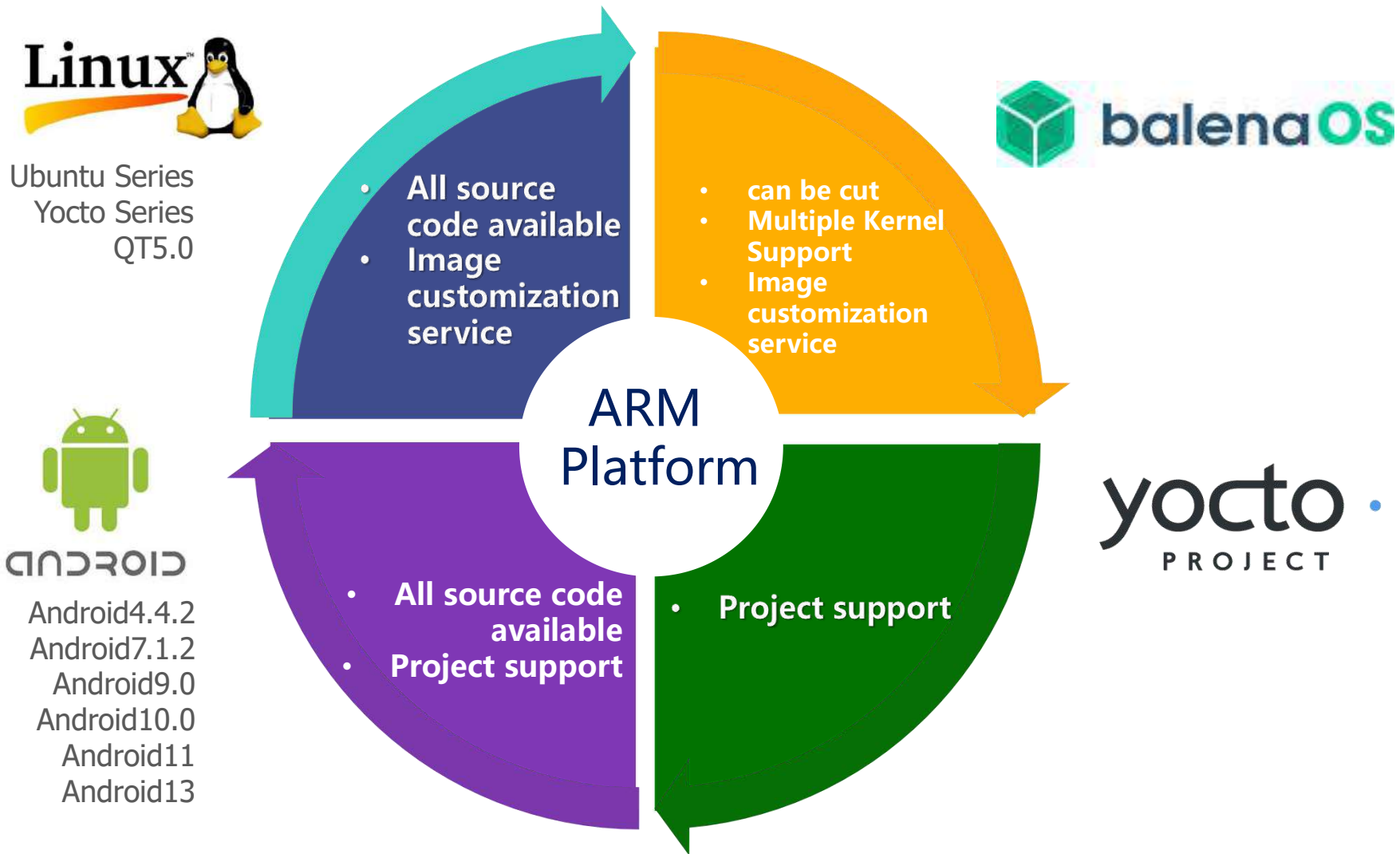


MCU platform

Rocktech IoT control terminal series main control, 8051 /cortex-Mx series, data acquisition/communication/execution control/interaction and other design capabilities. Mainstream MCU brand design support.



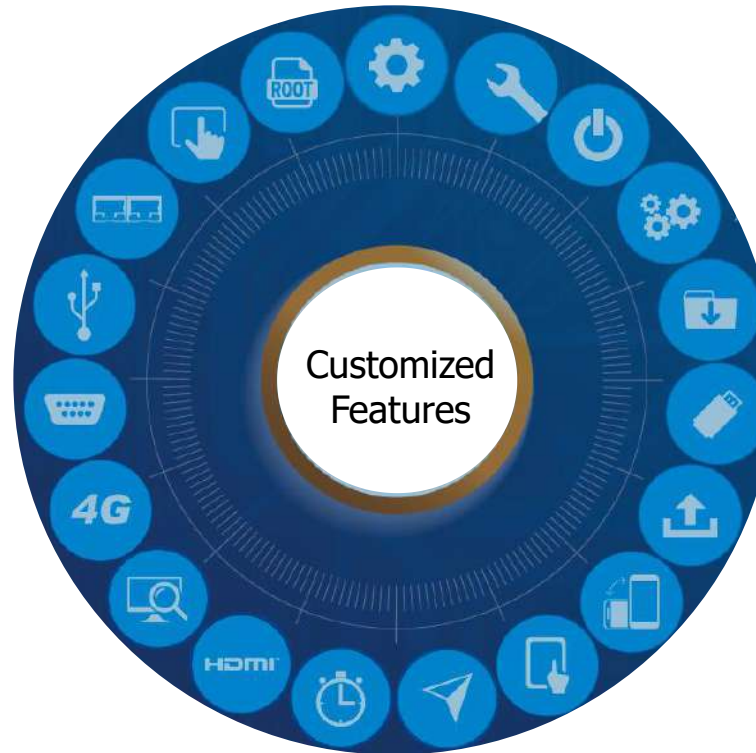
OS Platform Support



SW customization & major features

Flexible SW customization

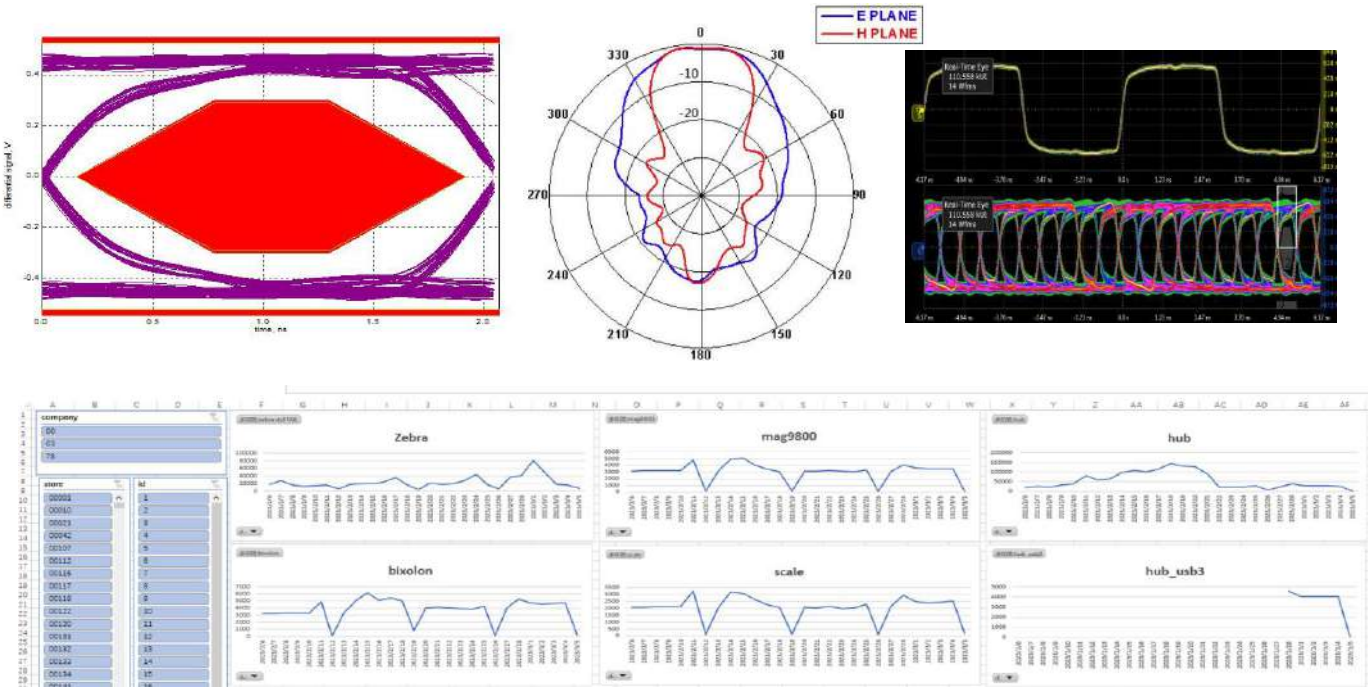
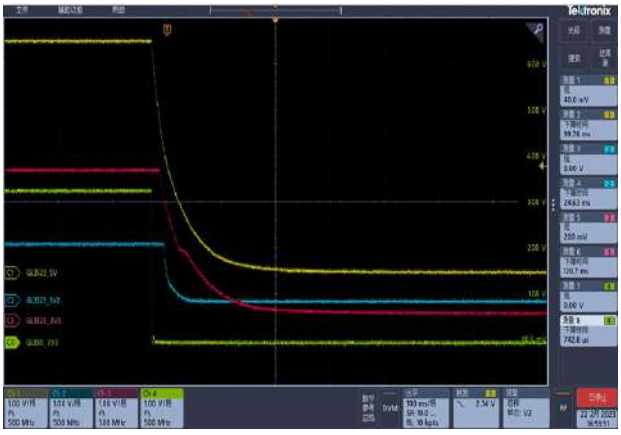
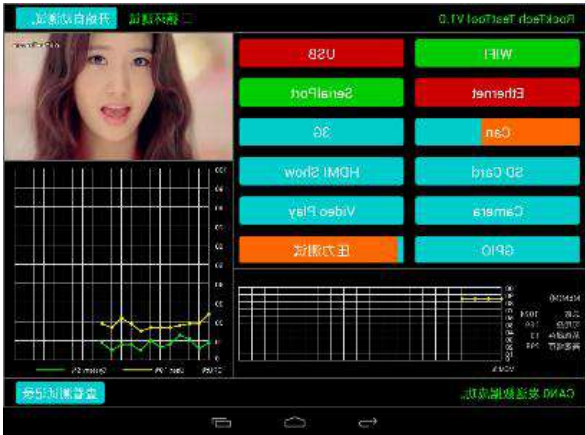
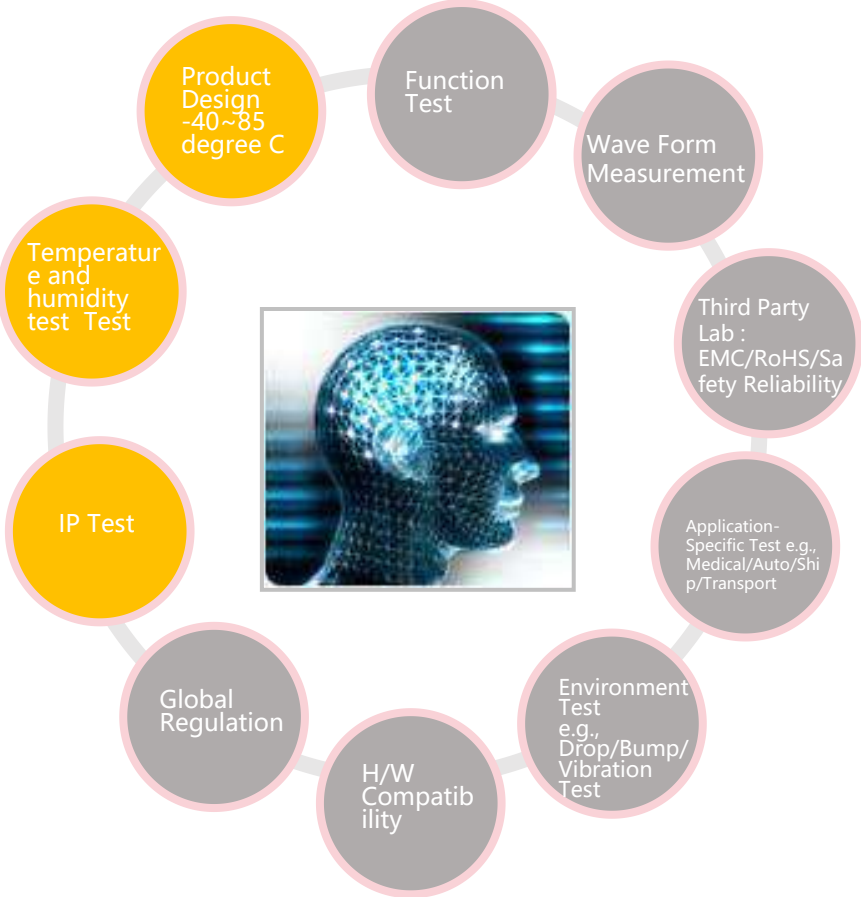
- **Three-screen different** display double touch
- network monitoring program
- Resolution dynamic adjustment function
- **FOTA**
- **Silently install/uninstall** APP function
- Customize the splash screen
- Customize Launcher
-

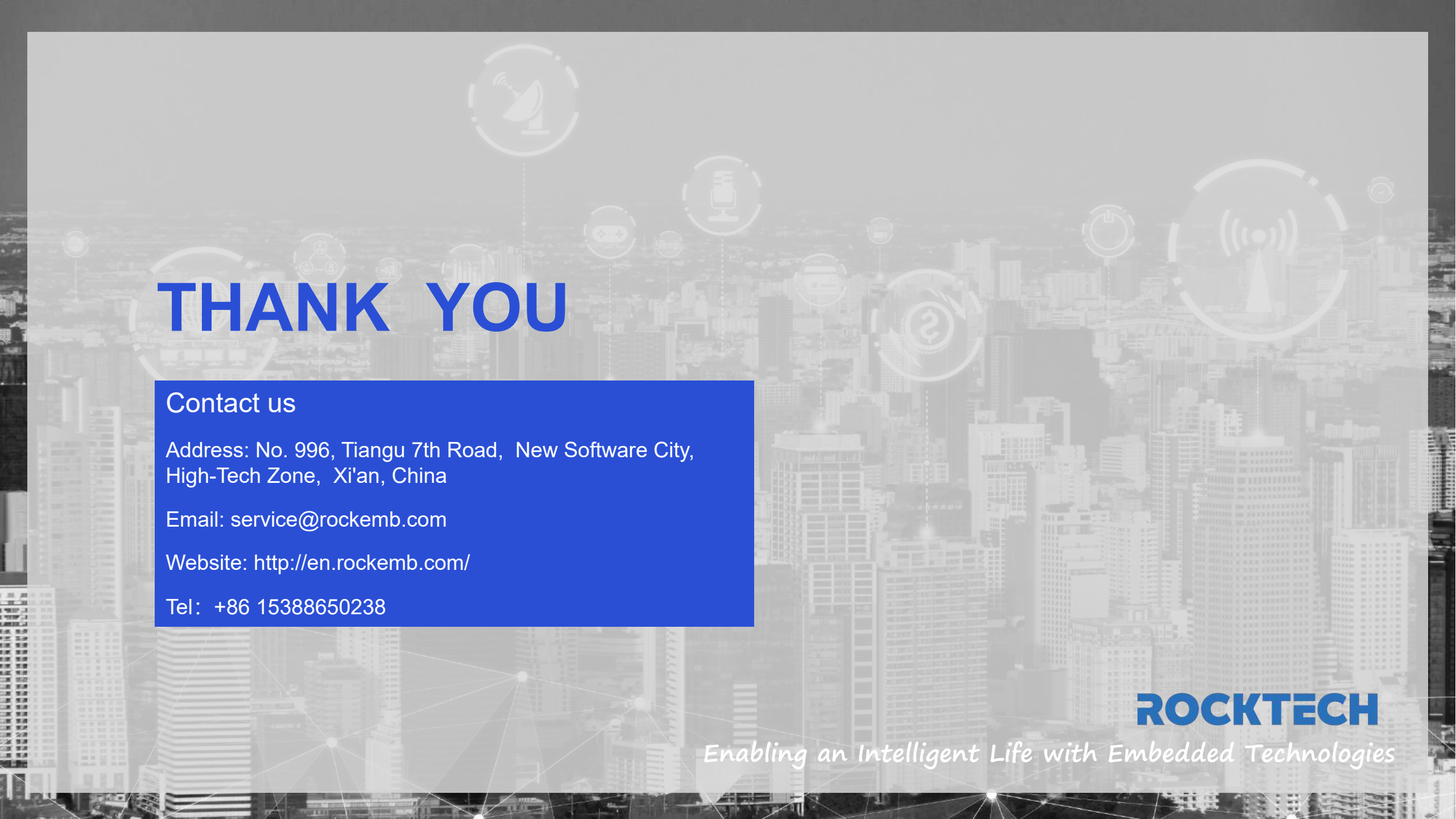


Major features

- 3/4G routing function
- U disk encryption function
- Remote Desktop Features
- Remote terminal function
-

Test Verification





THANK YOU

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ROCKTECH

Enabling an Intelligent Life with Embedded Technologies