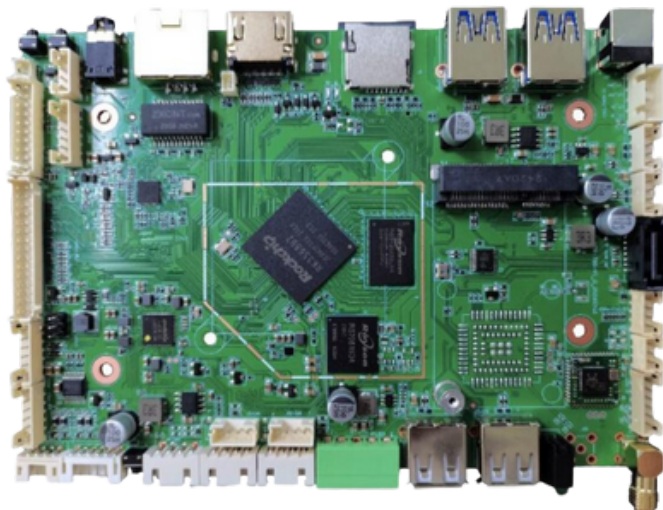


SMART SOLUTIONS

OPTIMIZED FOR HIGH VALUES & VERSATILITY



Rockchip



Features

- Rockchip RK3568 Quad-Core Cortex A55, up to 2.0GHz
- DDR3, 2GB Memory onboard, up to 4GB (Option)
- eMMC onboard 16GB, 32GB/64GB for option
- Variety of Display output for option: HDMI, eDP, MIPI-DSI, 1x Dual 8-bit LVDS; supports dual-screen output simultaneously
- Support Single-Band Wi-Fi & BT 4.2
- Rich IO: 1x GbE Ethernet, 6x USB, 2x RS485, 2x RS232, 8x GPIO, Audio support, can fulfill different industries application
- Expansion MiniPCle slot for 4G module
- Multiple OS Support : Android 11, Linux-Ubuntu, Yocto

Introduction

MTB-720 is a cost-effective Industrial IoT (IIoT) solution designed to meet diverse industrial applications with stable performance and flexible scalability. Powered by the Rockchip RK3568 quad-core Cortex-A55 processor, with 2GB (optional 4GB) DDR3 memory and up to 64GB of eMMC storage, it handles equipment monitoring, data processing, and automation with ease. Equipped with single Gigabit Ethernet, WiFi, Bluetooth 4.2, and 4G module support, MTB-720 delivers stable, high-speed connectivity for manufacturing, logistics, and smart building applications.

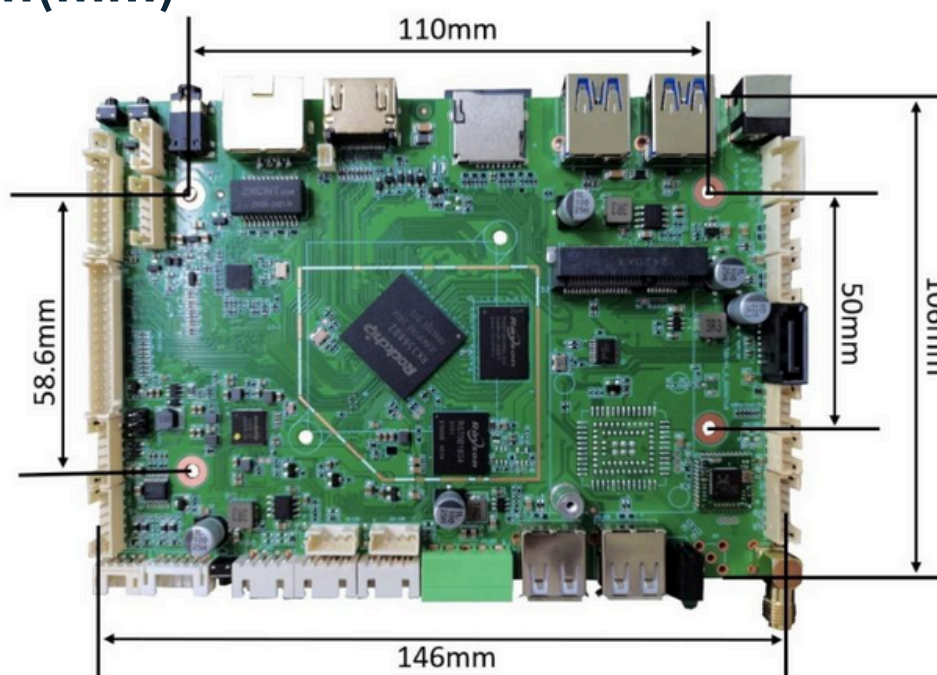
Its variety of I/O interfaces, including 6 USB ports, 2 RS232, 2 RS485, and 8 GPIOs, allows seamless integration into a wide range of automation systems, adapting to various equipment needs. MTB-720 serves as an ideal platform for smart industrial applications, enabling companies to achieve industrial upgrades cost-effectively, enhancing their competitive edge.

Specification

System	Processor	Rockchip RK3568 ARM Quad-Core Cortex-A55 SoC Processor up to 2.0GHz
	Memory	DDR3, 2GB Memory onboard, up to 4GB (Option)
	Storage	16GB eMMC onboard, 32GB/64GB for Option
	Display	1x HDMI, 1xeDP, 1x MIPI-DSI, 1x Dual 8-bit LVDS
	Protection	1x CPU watchdog, time interval 0~128 seconds; support anti-bricking



Dimension(mm)



Specification

Connectivity	Wi-Fi+BT	Single Band Wi-Fi +BT 4.2 (1T1R)
	LAN	10/100/1000Mbps
I/O Interface	Ethernet	1x RJ45 connector
	USB Port	1x USB 3.0 Type A for OTG, 1x USB 3.0 Type A (Host) 2x USB 2.0 Type A (HOST), 2x USB 2.0 Pin Header
	Audio	1x 5W/8Ω speaker out (Left & right channel) w/ 4P PH 2.0 socket; 1x Line-out + MIC-in w/ 3.5mm headphone Jack 1x Line-out + MIC-in w/ 4P PH 2.0 socket (onboard) 1x reserved MIC onboard w/ 2P PH 2.0 socket
	UART	2x RS232, 2x RS485, 1x TTL debug serial port (3.3V/5V/12V power supply)
	GPIO	8x GPIO, 4CH are multiplexed w/ SPI, 2CH are multiplexed with I2C
	Slot	1x SIM Card slot (Top side); 1x Standard TF Card slot (on the rear)
	Indicator	1x dual-color LED indicator (Red-green light)
	Expansion	1x MiniPCle socket/LLC package for 4G universal module; 1x SIM Card Slot
	Others	1x Reset Button, 1x Recovery Button, 1x Power ON/OFF Button
Power Supply		1x 12V DC Power Input
Dimension		146x 102mm
Operating Temperature		0°C ~ 60°C (0% to 90% RH, non-condensing)
Operating System		Android 11/ Linux



I/O Briefing

