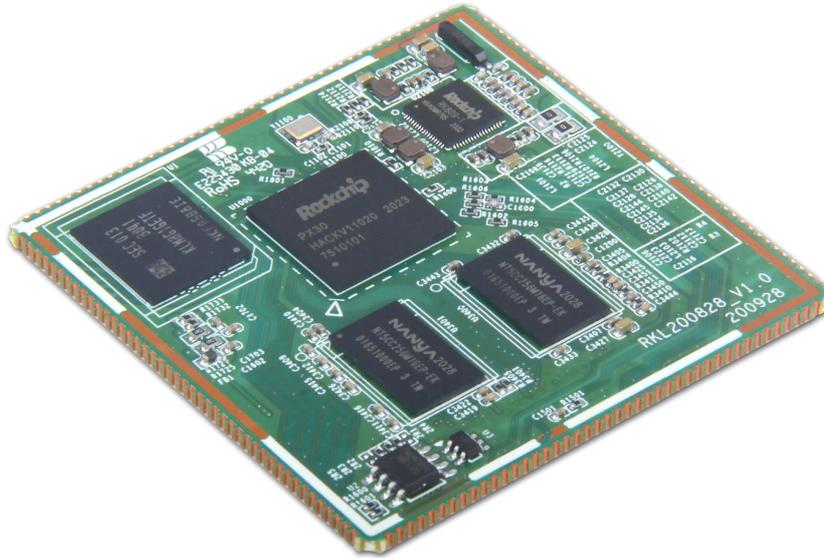


Rockchip PX30 Core Board

SOM-PX30



Geniatech's Rockchip PX30 core board uses PX30 industrial-grade 64-bit low-power processor, the main frequency is up to 1.3Hz, with quad-core Cortex-A35, dual-core Mali-G31GPU, and rich display expansion interfaces, can be matched with a variety of displays, to better meet the market's display requirements in different environments. It is suitable for Internet of things equipment, intelligent education, vehicle-mounted central control, game equipment, business display integrated equipment, medical and health equipment, vending machine, industrial computer and other industries.

● **Compact size and powerful function:**

With the appearance of stamp cover, the size is only 55*55*mm, independent power management system, up to 172Pin pin, data transmission and expansion performance is the best.

● **Multiple interface display:**

Supports RGB, LVDS, and MIPI-DSI interfaces

LVDS supports a maximum of 1280 x 800@60fps, and RGB/MIPI-DSI supports a maximum of 1080P@60fps

Support dual VOP (dual screen display)

Supports multi-format 1080P 60FPS video decoding (H.265H.264, VC-1, MPEG-1/2/4.VP8), 1080P(H.264, VP8

format) video encoding

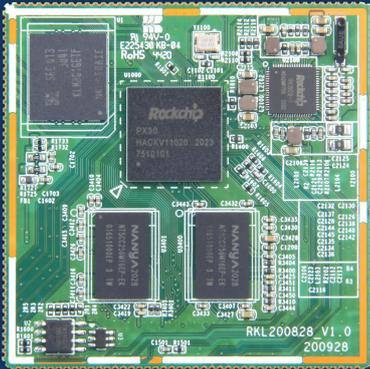
● **Strong scalability:**

With 12C, UART, SPI, SDIO, USB2.0,PWM, AC97/12S and other extended interfaces, wide applicability, can be matched with high-performance backboard, directly applied to the project

● **Supports multiple operating systems:**

Support for Android and Linux operating systems to maximize performance and experience

Product Specification



CPU Frequency	Quad-core Cortex-A35
GPU	Mali-G31 MP2 GPU , Support OpenGL ES3.2, Vulkan 1.0, OpenCL 2.0
Internal Memory	1GB DDR3 (2G optional)
Internal Storage	8G EMMC (16G/32G optional)
OS	Android/Linux
Network Port	100M/1000M (RJ45 port) x 1
WIFI/Bluetooth	WiFi802.11a/b/g/n/ac+Bluetooth4.0
SD Card Port	1*SDIO output channel
WDT Port	Support Geniatech's WDT module
USB Port	2*HOST2.0
Display	Support MIPI、LVDS、RGB Port
Audio	AC97/IIS Port , Support recording and playback
UART Port	1*Serial ports
Extension Interface	8 * PWM output
	4 * IIC output
	2 * SPI output
	3 *ADC output
	1 *CSI input
	1*RTC
Power	5V/1A
Size	55*55*3.6mm
Weight	15g