









PX30.CORE

PX30.Core is based on the new Rockchip® PX30 processor equipped with a quad-core A35. The new module offers very high performance, real-time capabilities and more. The wide range of peripherals makes this SOM suitable for many different applications.



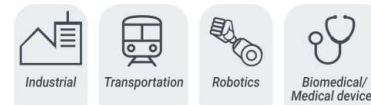
FEATURES

 CPU	• RockChip® PX30
 CORES	Quad-Core Arm® Cortex®-A35@1.2GHz
 MEMORY	Up to 2GB DDR4
 GRAPHICS	• Mali G31 OpenGL ES 1.1, 2.0 and 3.2 OpenCL 2.0 Vulkan® VX 1.0
 VIDEO INTERFACES	• Parallel RGB up 24 to bit i/f • LVDS 18/24 bit i/f or alternative DSI 4 lanes • MIPI-CSI 4 lanes with 8Mp ISP
 VIDEO PROCESSING	• 1080p@60 HEVEC MAIN10 (h.265, VP8) dec • 1080p@60 h.264 enc
 AUDIO	• I²S interface
 NETWORKING	• LAN 10/100 Ethernet interface

HIGHLIGHTS

- Powerful Quad core A35
- Low power consumption
- Suitable for fan-less application with high-end graphics performances

APPLICATIONS



 USB	<ul style="list-style-type: none"> • USB HOST 2.0 • USB OTG 2.0
 MASS STORAGE	• Starting from 4GB eMMC drive soldered on-board
 PERIPHERAL INTERFACES	UART, I²C, SPI, SDIO, Audio Codec on SOM
 POWER SUPPLY	+5V DC
 OPERATING SYSTEM	<ul style="list-style-type: none"> • Linux • Yocto
 OPERATING TEMPERATURE *	Consumer qualified
 DIMENSIONS	67,6 x 32,1 mm

* Valid for all components except CPU. Customer shall consider junction temperature for CPU. Temperature will widely depend on application. Specific cooling solutions could be necessary for the final system.



BLOCK DIAGRAM

