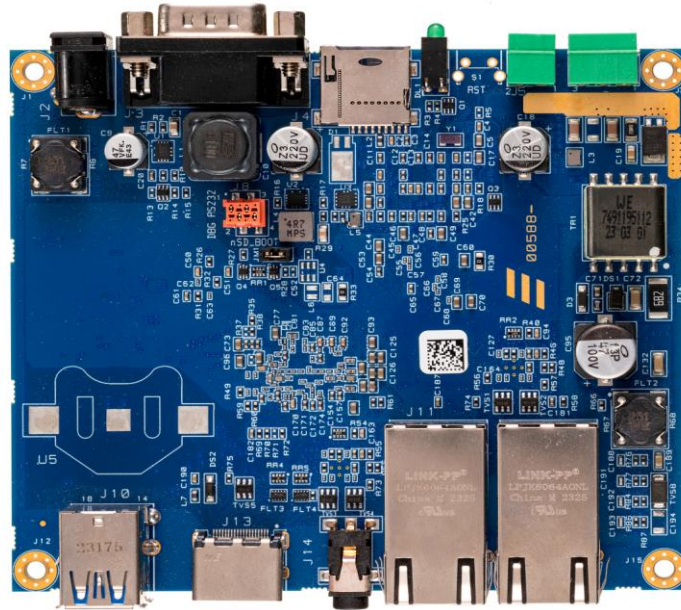


High Performance Single Board Computer based on RockChip® RK3568 series.



HIGHLIGHTS

- CPU RK3568/RK3568J
- CONNECTIVITY 2x GbE (one PoE)
- Fully IEEE 802.3bt (POE+)

APPLICATIONS



FEATURES



	CPU	• RockChip RK3568 CPU, Quad Core ARM Cortex-A55 @ 1.8GHz • RockChip RK3568J CPU, Quad Core ARM Cortex-A55 @ 1.8GHz
	CORES	4
	MEMORY	Up to 8GB LPDDR4 / 3200 MTs
	GRAPHICS	• 2D graphics, 3D graphics and General Purpose computing on GPU • The GPU supports these compute API standards: • OpenCL 2.0 Full Profile • OpenGL ES 1.1, 2.0, and 3.2 • Vulkan 1.0 and 1.1.
	VIDEO INTERFACES	• HDMI up to 4K @ 60Hz
	VIDEO PROCESSING	• HEVC/H.265, VP9, AV1 HW decoding, up to 8k @60. • AVC/H.264, HEVC/H.265 encoding
	AUDIO	Build in I2S (on PMIC RK-809)
	NETWORKING	• 2 x Gb Ethernet interface
	POWER SUPPLY	• +17 to +26 VDC (on Jack connector) • +36V to +57V input Voltage (on POE)
	USB	• 2 x USB HOST 3.0
	MASS STORAGE	• eMMC soldered on board170408
	PERIPHERAL INTERFACES	• 1x uSD card on SDIO Bus • 2x RS232 (1 x Linux Console) • 1x Digital GPIO INPUT (up to 32V) • 1x Driver Relay 12V
	OPERATING SYSTEM	Linux Yocto
	DIMENSIONS	113 x 100 mm
	OPERATING TEMPERATURE*	Consumer Industrial (up to 125°C Tj*)

* 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.

CABLE MAP

