

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/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 • Optional eDP up to 4K @ 60Hz • LVDS Dual Channel up to Full HD @ 60Hz via eDP bridge
	Video PROCESSING	• HEVC/H.265, VP9, AV1 HW decoding, up to 8k @60. • AVC/H.264, HEVC/H.265
	AUDIO	Build in I2S (on PMIC RK-809)
	NETWORKING	• 2 x Gb Ethernet interfaces

	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 GP INPUT (up to 32V) • 1x Driver Relay 12V
	OPERATING SYSTEM	• Linux Yocto • Android
	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.

DESCRIPTION

CABLE MAP

