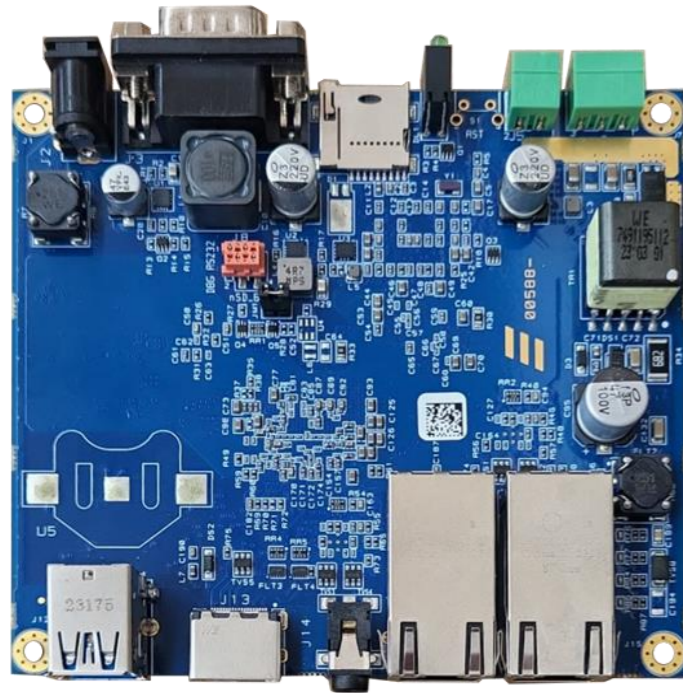


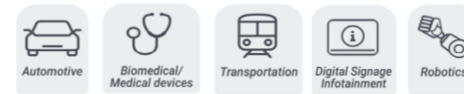
High Performance Single Board Computer based on RockChip® RK3568 series.



HIGHLIGHTS















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

APPLICATIONS



FEATURES



 CPU	<ul style="list-style-type: none"> • RockChip RK3568 CPU, Quad Core ARM Cortex-A55 @ 1.8GHz • RockChip RK3568J CPU, Quad Core ARM Cortex-A55 @ 1.8GHz 	POWER SUPPLY	<ul style="list-style-type: none"> • +17 to +26 VDC (on Jack connector) • +36V to +57V input Voltage (on POE)
 CORES	4	 USB	<ul style="list-style-type: none"> • 2 x USB HOST 3.0
 MEMORY	Up to 8GB LPDDR4 / 3200 MTs	 MASS STORAGE	<ul style="list-style-type: none"> • eMMC soldered on board I70408
 GRAPHICS	<ul style="list-style-type: none"> • 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. 	 PERIPHERAL INTERFACES	<ul style="list-style-type: none"> • 1x uSD card on SDIO Bus • 2x RS232 (1 x Linux Console) • 1x Digital GPIO INPUT (up to 32V) • 1x Driver Relay 12V
 VIDEO INTERFACES	<ul style="list-style-type: none"> • HDMI up to 4K @ 60Hz 	 OPERATING SYSTEM	<ul style="list-style-type: none"> • Linux Yocto • Android
 VIDEO PROCESSING	<ul style="list-style-type: none"> • HEVC/H.265, VP9, AV1 HW decoding, up to 8k @60. • AVC/H.264, HEVC/H.265 encoding 	 DIMENSIONS	113 x 100 mm
 AUDIO	Build in I2S (on PMIC RK-809)	 OPERATING TEMPERATURE*	Consumer Industrial (up to 125°C Tj*)
 NETWORKING	<ul style="list-style-type: none"> • 2 x Gb Ethernet interface 	<p>* 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.</p>	

V. Board RK3568

CABLE MAP

