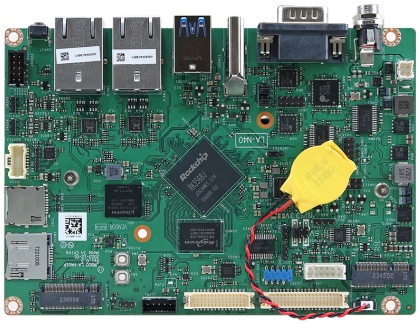
RSC-3568J

3.5”SBC with Rockchip RK3568J



Product Features

- Rockchip RK3568J Quad-Core Cortex-A55 1.8GHz
- Support LCD Interface LVDS/MIPI/eDP
- Dual Gigabit Ethernet
- M.2 Key E (2230, USB 2.0, supports Wi-Fi Module)
- Fanless operation from -40°C ~ +85°C
- 4GB LPDDR4 / 64GB eMMC
- 2 x CAN, 1 x 16-bit GPIO
- M.2 Key B (3042, SATA3 / USB 2.0, support SSD/LTE Module)

Specification

System Information	
Processor	Rockchip RK3568J Quad-core Cortex-A55 1.8GHz
System Memory	4GB LPDDR4
Board	3.5"

Software Support	
OS	Android 13 Debian 11

Expansion	
Expansion	1 x M.2 Key E (2230, USB 2.0, supports Wi-Fi Module) 1 x M.2 Key B (3042, SATA3 / USB 2.0, support SSD/LTE Module)

Storage	
Storage	64GB eMMC 1 x Micro SD Card Slot

Display

Multiple Display	Dual Display HDMI + LVDS/MIPI HDMI + eDP
Graphic Chipset	Mali-G52 support OpenGL ES 1.1/2.0/3.2, Vulkan 1.0/1.1, OpenCL 2.0
Spec. & Resolution	1 x HDMI Max. resolution 4096 x 2160 @60Hz 1 x LVDS Support resolution 800 x 480, 1024 x 768, 1280 x 800 1 x MIPI Support resolution 1024 x 768 1 x eDP Support resolution 1920 x 1080

Ethernet

Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Chipset	2 x Realtek RTL8211FDI
LAN Port	2 x RJ45

Power Requirement

DC Input	+12V ~ +24V
DC Input Connector	Lockable DC Jack

Certification

Certification Information	CE, FCC Class B

I/O

GPIO	1 x 16-bit GPIO by pin wafer
SIM Slot	1 x Nano SIM
Other	1 x Reset
COM Port	1 x RS232/422/485 DB9 3 x RS232 by pin header 1 x RS232/422/485 by pin header
USB	1 x USB 3.0 Type A 1 x USB 3.0 Type A support OTG 2 x USB 2.0 by pin header
Internal I/O Connector	1 x Backlight 1 x Debug 1 x I2C 1 x Speaker 1 x Touch Button 1 x DCin by pin wafer
Communication	2 x CAN by pin header
Display	1 x LVDS/MIPI co-lay 1 x eDP

Mechanical & Environmental

Operating Temp.	-40 ~ 85°C (-40 ~ 185°F)
Storage Temp.	-40 ~ 85°C (-40 ~ 185°F)
Dimension (L x W)	146 x 101 mm
Weight	0.16 kg
Operating Humidity	40°C @ 95% Relative humidity, Non-condensing
Power Requirement	DC +12 ~ +24V
Power Mode	AT
Drop Test	ISTA 2A, IEC-60068-2-32 Test:Ed
Vibration Test	IEC 60068-2-64, 1.5 ~ 3.0 Grm, random, 5 ~ 500Hz, 30mins/axis

Ordering Information

Ordering Information	RSC-3568J-6W-A104R