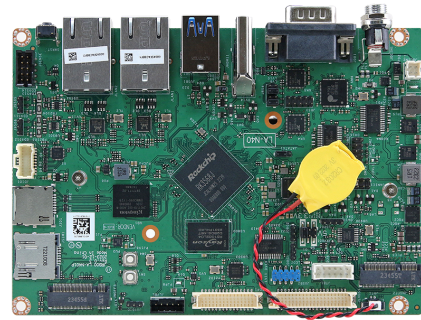


# RSC-3568J

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"

### 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

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**LAN Chipset** 2 x Realtek RTL8211FDI

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**LAN Port** 2 x RJ45

**Power Requirement**

**DC Input** +12V ~ +24V

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**DC Input Connector** Lockable DC Jack

**Software Support**

**OS** Android 13  
Debian 11

**Certification**

**Certification Information** CE, FCC Class B

**I/O**

**GPIO** 1 x 16-bit GPIO by pin wafer

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**SIM Slot** 1 x Nano SIM

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**Other** 1 x Reset

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**COM Port** 1 x RS232/422/485 DB9  
3 x RS232 by pin header  
1 x RS232/422/485 by pin header

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**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

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**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

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**Communication** 2 x CAN by pin header

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**Display** 1 x LVDS/MIPI co-lay  
1 x eDP

## Mechanical & Environmental

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

## Ordering Information

<b>Ordering Information</b>	RSC-3568J-6W-A104R
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