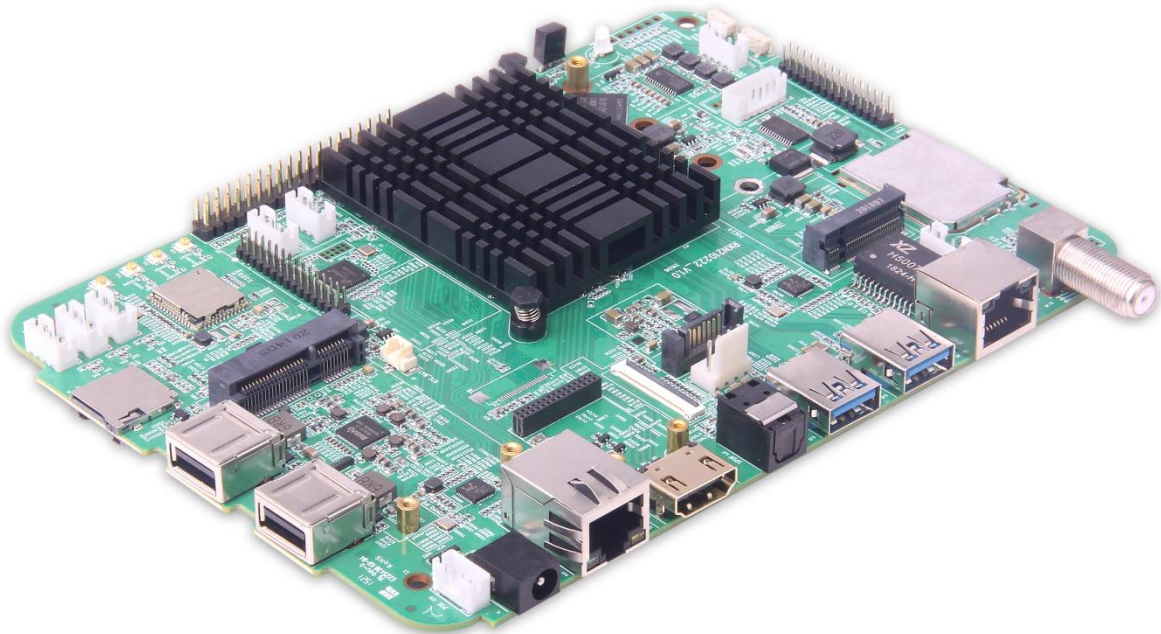


# Rockchip RK3568 Developer Board

DB3568

Geniatech



● Quad-core ARM Cortex-A55 CPU and Mali-G52 GPU.

● 2GB RAM(up to 8GB)  
16GB eMMC(up to 128GB)

● Support HDMI out and HDMI in(optional)  
Support LVDS/MIPI/eDP panel(up to 2K panel)

● Used in commercial display, security, industrial control, commercial display and other fields

● Neural network acceleration engine with processing performance up to 0.8 TOPS

● Build-In Wifi module , 2.4G/5.8G , support BT5.0(Optional) , and Double gigabit Ethernet.

● Support 2\*8W(Max) Speaker, and mic array

● Rich Interface

USB3.0 x 2, USB2.0 x 1, TF Card Slot, SPDIF, RF connector (DVB-T2/ISDB-T/DTMB/ATSC), SIM Card Slot, SATA, M.2, USB2.0 x 3, Uart x 3



## Product Specificatio

CPU	Rockchip RK3568 Quad-core ARM Cortex-A55
CPU Frequency	1.5GHz
Internal Memory	2/4GB DDR4
Internal Storage	16/32/64GB EMMC5.1.
OS	Android 11.0/Linux
Bluetooth	5.0(Optional)
Built-in WiFi	802.11 a/b/g/n/ac
WiFi Frequency Range	2.400~2.497GHz, 4.900~5.845GHz
Ethernet port	Double gigabit Ethernet
GPS	No
USB Interface	USB 3.0 Jack x 2; USB 2.0 Jack x 2 USB2.0 Internal socket * 3
Micro SD Card Slot	1
Camera	Integrated Dual ISP with support for image sensors up to 18MP
Expansion connector	<ul style="list-style-type: none"> <li>• 40 pin extension connector for GPIO</li> <li>• UART x 3, Speaker Socket * 1, Mic *1, Mic Array *1</li> <li>• 4L-MIPI DSI * 1, MIPI CSI * 1</li> <li>• HDMI IN * 1, HDMI OUT * 1</li> <li>• SATA * 1, M.2 * 1, SPDIF *1, MiniPCIe * 1</li> <li>• RF * 1(DVB-T2/ISDB-T/DTMB/ATSC)</li> </ul>
Size (mm)	180mm*130mm
Power	12V/2V

**Geniatech**  
Seeing is believing

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