Rockchip 3399 Core Board
SOM3399-SMARC

Geniatech's SoM3399-SMARC is using Rockchip 3399 processor, a high performance processor for computing, personal mobile internet devices and other applications, it integrates dual-core Cortex-A72 and quad-core Cortex-A53 with separate NEON coprocessor, Is a standard module designed entirely in accordance with the SMARC2.1 specification. It is widely used in Industrial application , signages, appliances and other fields.

● **Compact size and powerful function:**
Optional configuration, high scalability, stable and reliable, dual operating system
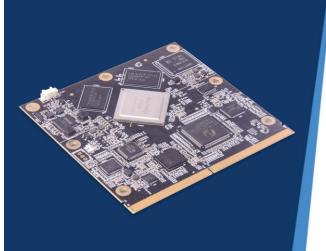
● **Stable system module**
It adopts SMARC2.1 standard interface and leads out all pin pins of the chip. Data transmission and expansion performance are greatly played. It provides high-quality products for the strong and reliable partners

● Support personalized customization:
1.Shell structure customization
2. Customize the onboard function
3.Provide SDK for secondarydevelopment
4.Mass production service

● **Supports multiple operating systems:**
Widely used with functional baseboard can be applied to advertising screen display, industrial PC, medical equipment, human-computer interaction, image processing portable equipment, automotive applications, infrared systems, control systems and other industries

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Product Specification

CPU Frequency	Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz
GPU	Mali-T860 GPU
Internal Memory	2G LPDDR4 （4G optional）
Internal Storage	16G EMMC（32G/64G optional）
OS	Android/Linux
Ethernet	2 x GIGABIT Ethernet
PCIe	1 x PCIe 2.1(x4) or 2 x PCIe 2.1(x4 and x1)
USB	3 x USB2.0,1 x USB2.0 OTG,2x USB3.0
CSI	*2
LVDS	*1(1 x Single Channel 24-bits LVDS(Default) or 1 xDual Channel 24-bits LVDS(Shared with eDP))
I2S	*2
HDMI	*1(up to 4096 x 2160)
CAN	*1
GPIO	*12 （1 x PWM）
SATA	*1
SDIO	*1（WIFI Module ，Wifi fromSDIO/BT from UART)
eDP	*1
DP	*1
RS-232	*3(1 x 4-wire UART，1 x 2-wire UART，1 x 2-wireUART/Debug)
SPI	*1
I2C	*5
POWER	5V/3A
Size	82*80mm
Weight	30g

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