Rockchip 3399 Development Board
SMARC3399

Geniatech's SMARC3399 adopts RK3399 hexa-core (A72x2+A53x4) 64-bit processor, main frequency up to 1.8ghz, integrated with quad-core Mali-T864 GPU, providing excellent performance. Onboard M.2 PCle, 4GLTE extended interface, various display interface and communication serial port. Support Android10.0/Debian10.0 system, open source convenient enterprise secondary development. It is suitable for commercial advertising machines, vending machines and educational terminals with HD display, which can reduce the threshold of research and development and speed up the product development cycle

Compatible with mainstream display
Support LVDS/eDP/HDMI display interface, can directly drive mainstream 10.1-32 inch display screen, support 4K hardware solution, support multi-screen display.

SATA ports supported
Compatible with mainstream hard disk interface, convenient for customers to read and write data, support larger storage space and faster transmission rate

Can support POE
Built-in POE port for connecting to the built-in POE module.

High performance industry motherboard The combination of core board and baseboard forms a complete high-performance industrial application motherboard, with richer expansion interfaces and stronger performance, which can be directly applied to various intelligent products to accelerate the landing of products

Support personalized customization

Shell structure customization、Customize the onboard function、Provide SDK for secondary development、Mass production services。

Supports dual MiPi cameras
It can be connected to an external camera or used to expand the input capability of multiple cameras

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Product Specification

CPU	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 10.0/Debian10.0
Type-C	*1
USB	USB 3.0*2， USB2.0 *4
HDMI OUT	*1(support4096 x 2160)
Earphone Socket	*1
SATA	*2（SATA*1， SATA power*1）
MIC in	*1
RJ45	*2 （1000 Mbps Ethernet port）
LINE in	*1
Mini PCIe	*1
SIM card	*1
UART	*2
I2C	*4
I2S	*1
GPIO	*1
LVDS	*1 （30pin）
EDP	*1 （30pin）
M.2	*1
IR	*1
CAN Bus	*1
Speaker	*1
MIPI CSI	*2
BackLight	*2（BackLight Power*1， BackLight *1）
Power	*2 （DC*1， POE*1） 12V2A
Size	180*130mm
Weight	175g

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