DB3399 PRO SPEC

Overview

Geniatech's DB3399Pro features Rockchip 3399Pro processor, a low power, high performance processor for computing, personal mobile internet devices and other smart device applications, it integrates dual-core Cortex-A72 and quad-core Cortex-A53 with separate NEON coprocessor. it features 2.0MP camera Android 8.0 OS with 3GB RAM, 8GB/16GB/32GB eMMc flash to choose,lots of high-performance interface to get very flexible solution, such as multi-pipe display with dual-channel eDP1.3, HDMI2.0. Built-in WiFi & LAN, USB, SD/TF card external storage, support program playback Plastic frame. It is designed to support multi-format video decoders including H.264/H.265/VP9 up to 4Kx2K@60fps, especially, H.264/H.265 decoders support 10bits coding, and also supports H.264/MVC/VP8 encoders by 1080p@30fps, high-quality JPEG encoder/decoder, and special image preprocessor and postprocessor.

Equipped with one powerful neural netural network process unit(NPU),it supports mainstream platforms in the market, such as caffe, tensor flow, and so on. Many embedded powerful hardware engines provide optimized performance for high-end application. DB3399Pro support multi-format video decoders and encoders. Embedded 3D GPU makes RK3399Pro completely compatible with OpenGL ES1.1/2.0/3.0/3.1,OpenCl and DirectX 11.1. Special 2D hardware engine with MMU will maximize display performance and provide very smooth operation.

Specifications

Dual-core Cortex-A72 up to 1.8GHz

Quad-core Cortex-A53 up to 1.4GHz

Mali-T864MP4 GPU@800MHz

powered by

NPU：1920 INT8 MACs, 192　INT16 MACs, 64 FP16 MACs

3GB LPDDR3 (option 6G)

8GB eMMC　(option 16G//32G)

HDMI OUT

HDMI INPUT

eDP x1

MIPI CSI x2

MIPI DSI x1

CIF x1

TYPE-C x1

USB 2.0 x6

USB3.0 x1

SATA x1

RS232 x1

Mini PCI-E x1

POE

GPS

SPDIF

Micphone

SPEAKER

HEADPHONE

Micro SD socket

Watch dog

RTC

Reset

SPI/GPIO/I2C/I2S/UART

powered by

Geniatech **Rockchip** 瑞芯微电子

WLAN 802.11a/ b/g/n 11ac 2.4G/5GHz

Bluetooth 4.2

1x 10/100/1000M Ethernet

DC jack: 12V

OS-support

Android 8.0

powered by