

Developer Board 3288 SPEC



Overview

Geniatech's Developer Board 3288 features Rockchip 3288 processor, a high performance processor for computing, personal mobile internet devices and other applications, it integrates Dual-core Cortex-A17. it features 2.0MP camera Android 5.1 OS with 2GB 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 LVDS, eDP1.1, HDMI2.0. Built-in WiFi & 1000M 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

powered by



H.264/MVC/VP8 encoders by 1080p@30fps, high-quality JPEG encoder/decoder, and special image preprocessor and postprocessor.

Specifications

Processor

Dual-core Cortex-A72 up to 2.0GHz

Quad-core Cortex-A53 up to 1.5GHz

Mali-T864 GPU

Memory/Storage

2GB or 4GB LPDDR3 1866MHz

8GB or 16 GB or 32GB eMMC 5.0

Display

HDMI 2.0a for 4K 60Hz with HDCP 1.4/2.2

Audio

2 pin MIC

Camera

2x MIPI-CSI: 1x 4-lane, 1x 2-lane, up to 13MP

Connectivity

WLAN 802.11 b/g/n 11ac 2T2R 2.4G/5GHz

Bluetooth 4.1

1x 10/100M/1000M Ethernet

2x USB 2.0 type A (one host mode)

On-board BT and WLAN antenna

Expansion connector

Dual channel LVDS (4 lanes per channel)

eDP

powered by



Speaker

External Storage

1x SD socket

Audio Decoder Supports MP3, AAC, WMA, RM, FLAC, Ogg and programmable with 7.1/5.1 down-mixing

Video/Picture Decoder

VP9-10 Profile-2 up to 4Kx2K@60fps

H.265 HEVC MP-10@L5.1 up to 4Kx2K@60fps

H.264 AVC HP@L5.1 up to 4Kx2K@30fps

H.264 MVC up to 1080P @60fps

MPEG-4 ASP@L5 up to 1080P@60fps (ISO-14496)

WMV/VC-1 SP/MP/AP up to 1080P@60fps

AVS-P16(AVS+) /AVS-P2 JiZhun Profile up to 1080P@60fps

MPEG-2 MP/HL up to 1080P@60fps (ISO-13818)

MPEG-1 MP/HL up to 1080P@60fps (ISO-11172)

RealVideo 8/9/10 up to 1080P@60fps

Multiple language and multiple format sub-title video support

MJPEG and JPEG unlimited pixel resolution decoding (ISO/IEC-10918)

Supports JPEG thumbnail, scaling, rotation and transition effects

"Supports *.mkv,*.wmv,*.mpg, *.mpeg, *.dat, *.avi, *.mov, *.iso, *.mp4, *.rm "

and *.jpg file formats

User Interface

Power/Reset

OS-support

Android 5.1

powered by



Power, Mechanical and Environmental

Power: +6.5V to +18V

Dimensions:155mm*105mm

Operating Temp: -10 °C to +85 °C

RoHS and Reach compliant

powered by



- 4 -

*All trademarks and logos belong to their respective owners
Note: Only For Reference and Not Official Release