



# D77

## QUAD-HDMI HIGH PERFORMANCE ARM PLAYER



Rockchip  
RK3588 processor



3 x HDMI (4096 x 2160 @60 Hz)  
1 x HDMI (1920 x 1080 @60 Hz)  
Support hardware EDID



Support Wi-Fi/BT module  
Support 3G/4G module

### CPU

|                         |  |
|-------------------------|--|
| <b>CPU</b>              | Rockchip RK3588 processor                                      |
| <b>Frequency</b>        | 2.40 GHz   |
| <b>Processing units</b> | 4 Cores Cortex-A76 & 4 Cores Cortex-A55                        |
| <b>NPU</b>              | 6 TOPs,<br>support int4/int8/int16/FP16/BF16/TF32 acceleration |
| <b>TDP</b>              | 10 W   |

### System

|                              |  |
|------------------------------|--|
| <b>System Memory</b>         | 8 GB, Onboard 2-channel LPDDR4x  |
| <b>Storage</b>               | 1 x M-key M.2 (2280) for PCIe3.0 X4 SSD (NVMe)<br>128 GB, Onboard eMMC |
| <b>Watchdog Timer</b>        | Yes  |
| <b>Auto Power On</b>         | Yes  |
| <b>RTC</b>                   | Set up independently every day, a week as a cycle                      |
| <b>Power Requirement</b>     | DC-IN, 12 V/2.08 A   |
| <b>Dimensions</b>            | 189.6mm x 148.3mm x 26mm (7.46" x 5.83" x 1.02")                       |
| <b>Construction</b>          | Metal, Black   |
| <b>Operating System</b>      | Android 12   |
| <b>Operating Temperature</b> | 0°C ~45°C (32°F~113°F) @0.7m/s Air Flow                                |
| <b>Humidity</b>              | 95% @ 45°C (non-condensing)  |
| <b>Certifications</b>        | CE, FCC Class B, UKCA  |

### Network

|                           |   |
|---------------------------|---|
| <b>Network Controller</b> | 1 x Realtek RTL 8211E Gigabit Ethernet                            |
| <b>Ethernet Interface</b> | 1 x RJ45  |
| <b>Wi-Fi/BT</b>           | 1 x E-key M.2(2230) for Wi-Fi/BT module,<br>Supporting Wi-Fi 5 /6 |
| <b>Mobile Network</b>     | 1 x B-key M.2(3042) for 3G /4G<br>1 x SIM Slot                    |

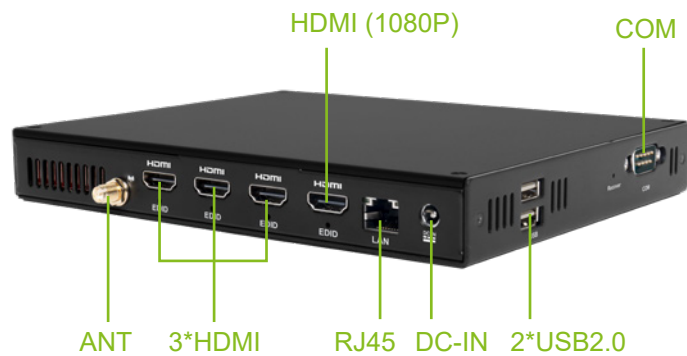
### Display

|                          |  |
|--------------------------|--|
| <b>GPU</b>               | ARM Mali-G610 MP4 GPU  |
| <b>Graphic Engine</b>    | OpenGL ES 1.1/2.0/3.2,<br>OpenCL 1.1/1.2/2.0, Vulkan 1.1/1.2                                       |
| <b>Multi-Media</b>       | H.265/H.264/AV1/AVS2 etc. video decoder, up to 8K@60fps<br>8K@30fps video encoders for H.264/H.265 |
| <b>Display Interface</b> | 3 x HDMI (Max. 4096 x 2160 @60 Hz)<br>1 x HDMI (Max. 1920 x 1080 @60Hz)                            |

### I/O interface

|                    |  |
|--------------------|--|
| <b>USB</b>         | 1 x USB3.2 Gen1 (OTG), 1 x USB3.2 Gen1<br>2 x USB2.0             |
| <b>Serial Port</b> | 1 x RS232  |
| <b>Audio</b>       | 1 x MIC-IN, 1 x AUDIO-OUT  |
| <b>Button</b>      | 1 x Power on, 1 x Recovery                                       |
| <b>Antenna</b>     | 1 x Connector for Wi-Fi/BT<br>1 x Connector for 3G/4G (Reserved) |

## Dimensions and Drawing



## Order information

|                           |   |
|---------------------------|---|
| <b>D77-3588R41E5G-GIA</b> | CPU: Rockchip RK3588<br>RAM: 8 GB, Onboard LPDDR4x<br>Storage: 128 GB, Onboard eMMC<br>Operating System: Android 12 |
| <b>Packing List</b>       | 1 x Wi-Fi Antenna,<br>1 x AC Power Cable, 1 x AC Power Adapter  |
| <b>Package</b>            | Carton, EPE   |

## Optional items

|                              |                           |
|------------------------------|---------------------------|
| <b>VESA Mounting</b>         | VESA Mounting Kit (JZ183) |
| <b>Mobile Network Module</b> | -                         |