



D77-I

AI-ENABLED VISION ENHANCEMENT ARM PLAYER



Rockchip
RK3588 processor



AI-enabled Vision Enhancement
6TOPS performance AI Boost NPU



4 x HDMI, Support hardware EDID
Up to 4096 x 2160 @60 Hz



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

CPU

CPU	Rockchip RK3588 processor
Processing units	4 Cores Cortex-A76 & 4 Cores Cortex-A55
NPU	6 TOPs, support int4/int8/int16/FP16/BF16/TF32 acceleration
TDP	15 W

System

System Memory	8 GB, Onboard 2-channel LPDDR4x
Storage	1 x M-key M.2 (2280) for PCIe3.0 X4 SSD (NVMe) 128 GB, Onboard eMMC
Watchdog Timer	Yes
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Power Requirement	DC-IN, 12 V/2.08 A
Dimensions	189.6mm x 148.3mm x 26mm (7.46" x 5.83" x 1.02")
Construction	Metal, Black
Operating System	Android 12/Android 15
Operating Temperature	0°C ~45°C (32°F~113°F) @0.7m/s Air Flow
Humidity	95% @ 45°C (non-condensing)
Certifications	CE, FCC Class B, UKCA

Network

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

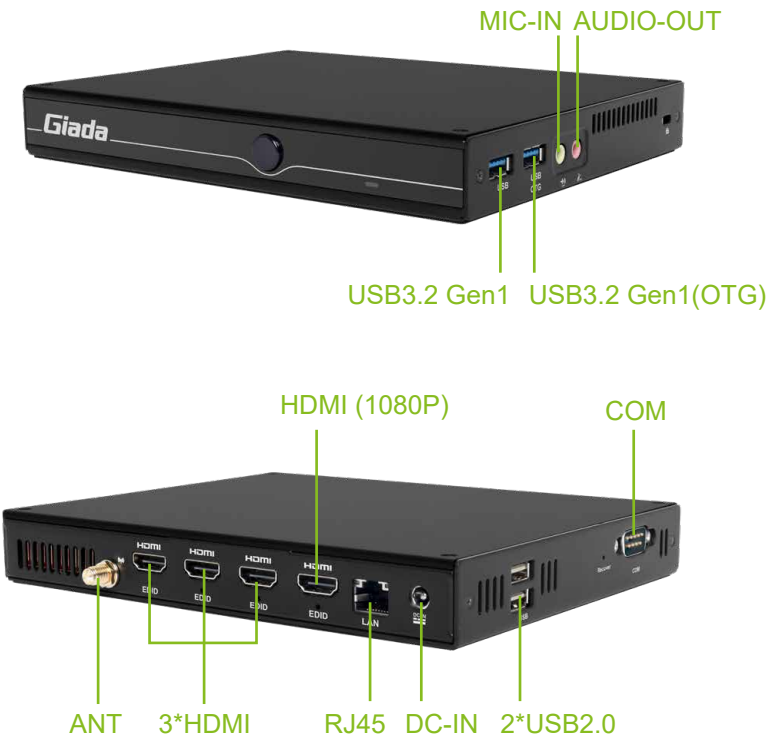
Display

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

I/O interface

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

Dimensions and Drawing



Order information

D77-I-3588R43E5G-GIA	CPU: Rockchip RK3588 RAM: 8 GB, Onboard LPDDR4x Storage: 128 GB, Onboard eMMC Operating System: Android 12 License: AI-enabled Vision Enhancement
Packing List	1 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
Package	Carton, EPE

Optional items

VESA Mounting	VESA Mounting Kit (JZ183)
Mobile Network Module	-