DN84

DUAL-HDMI FANLESS ARM PLAYER

Rockchip RK3576 processor

1 x HDMI (3840 x 2160 @60 Hz)
1 x HDMI (2560 x 1600 @60 Hz)

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

Fanless design

CPU

CPU	Rockchip RK3576 processor
Processing Units	4 Cores Cortex-A72 & 4 Cores Cortex-A53
NPU	6TOPS RKNN support int4/int8/int16/FP16/BF16/TF32 acceleration
TDP	6 W

Network

Network Controller	Realtek RTL8211F Gigabit Ethernet
Ethernet Interface	1 x RJ45 (Optional: 2 x RJ45)
Wi-Fi/BT	Onboard Wi-Fi/BT module
Mobile Network	1 x B-key M.2(3042) for 3G /4G, 1 x SIM Slot

System

System Memory	4 GB, Onboard LPDDR4 /LPDDR4x (Optional: 8 GB)
Storage	64 GB, Onboard eMMC (Optional: 128GB) Optional: 1 x M-Key M.2(2242) PCIe2.1 X1 for SSD
Watchdog Timer	Yes
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Power Requirement	Lockable DC-IN, 12 V/2 A
Dimensions	160 mm x 107 mm x 36 mm (6.29” x 4.21” x 1.41”)
Construction	Metal, Black
Operating System	Android 14 / Debian12
Operating Temperature	0°C ~45°C (32°F~104°F) @0.7m/s Air Flow
Humidity	95% @ 45°C (non-condensing)
Certifications	CE, FCC Class B, UKCA

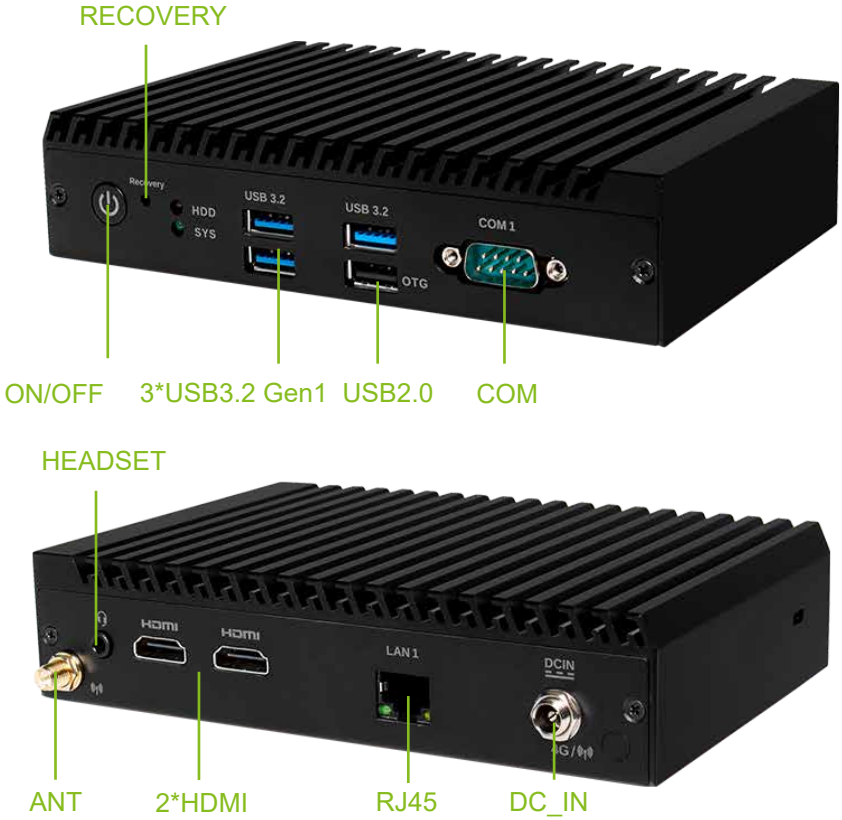
Display

GPU	Mali-G52MC3
Graphic Engine	OpenGL ES3.2, OpenCL2.0, Vulkan
Multi-Media	8K30 H.264/H.265/VP9/AV2/AVS2 Decoder 4K60 H.264/H.265 Encoder
Display Interface	1 x HDMI (Max. 3840 x 2160 @60 Hz) 1 x HDMI (Max. 2560 x 1600 @60 Hz)
# of Display Supported	2

I/O interface

USB	3 x USB3.2 Gen1, 1x USB2.0 (OTG)
Serial Port	1 x RS232 (Optional: 1 x RS232, 2 x RS485)
Audio	1 x 2-in-1 Headset (MIC-IN & 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

DN84-3576R42E6G-GIA	CPU: Rockchip RK3576 processor RAM: 4 GB, Onboard LPDDR4 Storage: 64 GB, Onboard eMMC HDMI: 2 x HDMI Wi-Fi/BT: Onboard Wi-Fi/BT module (2.4GHz/5GHz) Operating System: Android 14
DN84-3576R43E6G-GIA	CPU: Rockchip RK3576 processor RAM: 8 GB, Onboard LPDDR4 Storage: 64 GB, Onboard eMMC HDMI: 2 x HDMI Wi-Fi/BT: Onboard Wi-Fi/BT module (2.4GHz/5GHz) Operating System: Android 14
Packing List	1 x Wi-Fi Antenna, 1 x AC Power Cable,1 x AC Power Adapter
Package	Carton, EPE

Optional items

Mounting	VESA Mounting Kit (JC502) Wall Mounting Kit (JC283)
Mobile Network Module	Quectel® EM05 4G

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