



# DN84

## DUAL-HDMI FANLESS ARM PLAYER



Rockchip  
RK3576 processor



1 x HDMI (3840 x 2160 @120 Hz)  
1 x HDMI (2560 x 1600 @60 Hz)



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



Fanless design

### CPU

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

### Network

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

### System

<b>System Memory</b>	4 GB, Onboard LPDDR4 /LPDDR4x (Optional: 8 GB)
<b>Storage</b>	64 GB, Onboard eMMC Optional: 1 x M-Key M.2(2242) PCIe2.1 X1 for SSD
<b>Watchdog Timer</b>	NA
<b>Auto Power On</b>	Yes
<b>RTC</b>	Set up independently every day, a week as a cycle
<b>Power Requirement</b>	Lockable DC-IN, 12 V/3 A
<b>Dimensions</b>	165 mm x 108 mm x 40 mm (6.5" x 4.17" x 1.46")
<b>Construction</b>	Metal, Black
<b>Operating System</b>	Android 14 / Debian12
<b>Operating Temperature</b>	0°C ~60°C (32°F~140°F) @0.7m/s Air Flow
<b>Humidity</b>	95% @ 45°C (non-condensing)
<b>Certifications</b>	CE, FCC Class B, UKCA

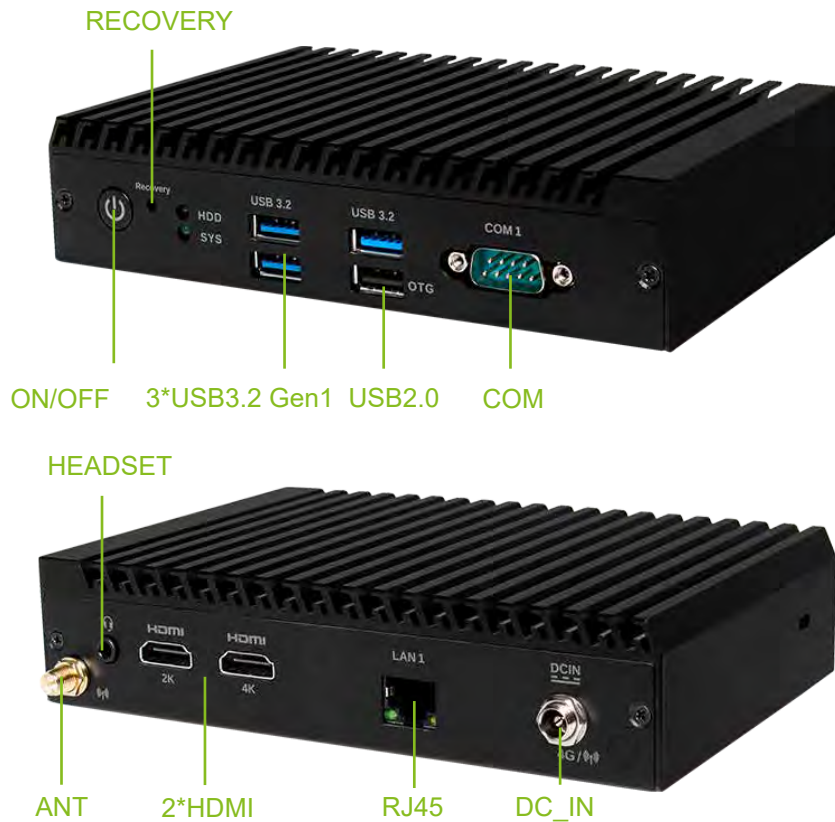
### Display

<b>GPU</b>	Mali-G52MC3
<b>Graphic Engine</b>	OpenGL ES3.2, OpenCL2.0, Vulkan
<b>Multi-Media</b>	8K30 H.264/H.265/VP9/AV2/AVS2 Decoder 4K60 H.264/H.265 Encoder
<b>Display Interface</b>	1 x HDMI (Max. 3840 x 2160 @120 Hz) 1 x HDMI (Max. 2560 x 1600 @60 Hz) Optional: 1 x HDMI-IN (Max. 3840 x 2160 @60 Hz)
<b># of Display Supported</b>	2

### I/O interface

<b>USB</b>	3 x USB3.2 Gen1, 1x USB2.0 (OTG)
<b>Serial Port</b>	1 x RS232 (Optional: 1 x RS232, 2 x RS485)
<b>Audio</b>	1 x 2-in-1 Headset (MIC-IN & AUDIO-OUT)
<b>Button</b>	1 x Power on, 1 x Recovery
<b>Antenna</b>	1 x Connector for Wi-Fi/BT 1 x Connector for 3G/4G (Reserved)

## Dimensions and Drawing



## Order information

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

## Optional items

<b>Mounting</b>	<p>VESA Mounting Kit (JC502)</p> <p>Wall Mounting Kit (JC283)</p>
<b>Mobile Network Module</b>	Quectel® EM05 4G



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