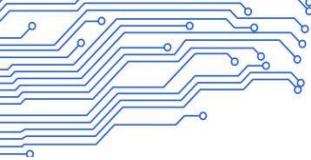


Shenzhen Smart Device Technology Co., Ltd.

DSBOX-3576SE V 1.0

Specifications





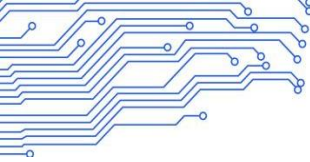
Document Revision History

Version Number	Revision Content	Revised by	Reviewed by	Date
V1.0	Created	XU Yaqun		2026-07-08

Statement

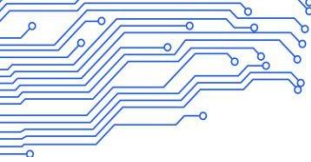
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Chapter 1 Product Overview

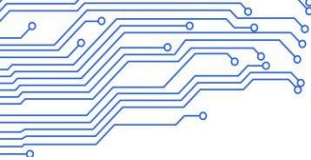
1.1 Industry Applications

DSBOX-3576SE is a high-end 4K digital signage playback box, equipped with an RK3576 octa-core processor, 4GB+64GB large storage, built-in 6TOPS NPU, supporting 4K@120Hz ultra-clear output, and optional dual systems of Android14/OpenHarmony. It features gigabit network, dual-band WiFi6, multiple USB and audio interfaces, fanless silent operation, and stable 7×24 hours running, suitable for various commercial display scenarios such as retail, government, cultural tourism, and hotels.

1.2 Appearance and Interface Diagram

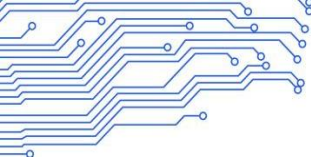
Appearance Diagram:





Interface Schematic:

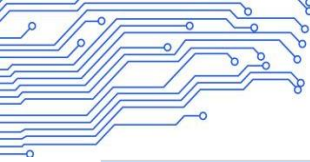




Chapter 2 Product Specifications

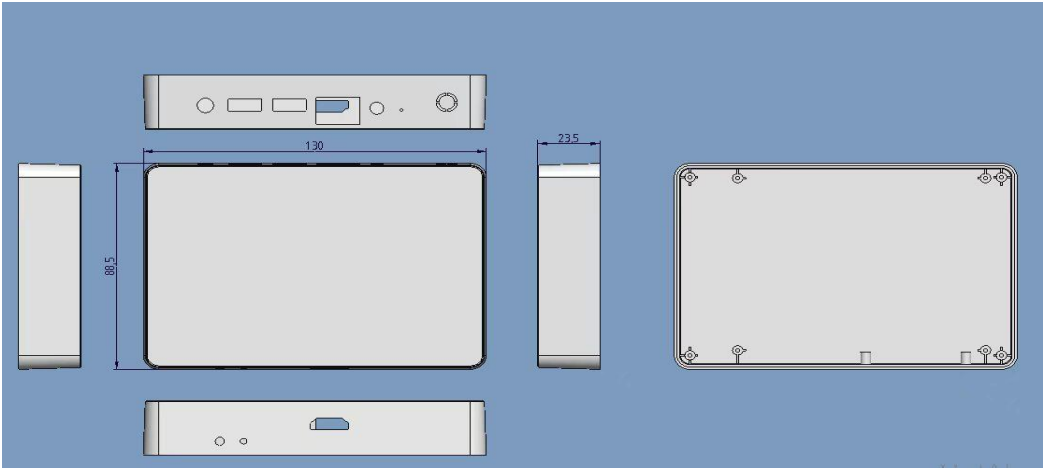
2.1 Specification Parameter Table

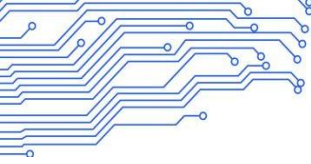
Product Specification Parameters		
Core Parameters	CPU	RK3 576, Octa-core (4*Cortex-A72 + 4*Cortex-A53), Maximum frequency up to 2.2 GHz
	GPU	ARM Mali G52 MC3
	Local Storage	64 G B
	DDR Memory	4 G B
Network	W i Fi	2.4G/5.0G WIFI
	Bluetooth	BLE
	4G	Supports external USB-4G module for internet access
	Ethernet	1 channel 10M/100M/1000M adaptive Ethernet
	Antenna	1 SMA antenna interface: WiFi antenna *1
Display interface	HDMI OUT	Supports 1 HDMI output, with a maximum resolution of 4K@120Hz
External ports	USB-OTG	1*USB3.0 (USB_OTG current limit 1A)
	USB 2.0	1*USB2.0 (current limited to 1A)
	Audio interface	Using 3.5mm, four-segment headphone jack
Power supply	Input voltage	DC 12V ($\pm 10\%$)
	Static power consumption	0.3W (TYP.)
	Fan	/
Environmental Parameters	Operating Temperature	0°C~60°C
	Operating Humidity	8%~90%RH, non-condensing
	Storage Temperature	-20°C~70°C, recommended to store at room temperature



	Storage Humidity	10%~95%RH
Reliability	Vibration Protection	IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
	Impact protection	IEC 60068-2-27, half sine wave, duration 11ms
	EMS electrostatic immunity	GB17626.2-2018 IEC61000-4-2 Level 4 standard Contact discharge 4KV/air discharge 8KV
	EMS lightning surge	GB17626.5-2019 ± 2KV
	Certification	/
	Waterproof	/
Appearance Information	Dimensions	/
	Appearance Color	Black Matte Shell
	Supported Installation Methods	Horizontal Placement or Wall Mounting
Packing List		Box *1, Manual *1, Certificate of Conformity *1 (subject to actual shipment)

2.2 Product Dimension Diagram (Unit: MM)





Chapter 3 Precautions

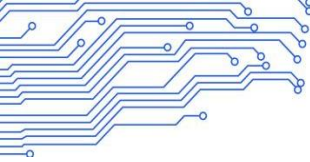
Please read this guide's instructions and safety precautions carefully, and strictly follow them during use. This will help prevent damage to the host, extend its lifespan, ensure your normal use and maintenance of the host, and ensure your personal safety.

- Please first read the relevant documents that are randomly attached. If there are inserts, be sure to read them first.
- Follow all safety warnings and signs on this product.
- Please use the original power adapter or only use the power type specified for this product.
- During thunderstorms, do not plug or unplug network cables, power cables, or any conductive materials that may connect to the outside.
- Before cleaning this product, please unplug the power. Do not use liquids, sprays, or wet cloths for cleaning.
- Please do not disassemble the device on your own. Do not attempt to repair this product by yourself; please have it serviced by authorized professionals.
- Do not place the main unit near heat sources.
- Be cautious of moisture; do not spill water or other liquids on the main unit. If the following situations occur, please immediately unplug the main unit.
- The following special conditions require professional repair personnel.
 1. The power cord or plug is damaged.
 2. Conductive liquid has splashed into this product.
 3. The product has fallen or the outer casing is severely damaged.
 4. The product shows unknown errors or significant performance changes that

cannot be resolved through standard troubleshooting guidelines.

Statement

- Technical specifications are subject to change without prior notice. Our company reserves the right to make the final interpretation of the information in this manual.
- If the product encounters strong radio interference (such as electromagnetic fields, static electricity, or line noise), it may not function properly. Please ensure the product is used in a normal environment.



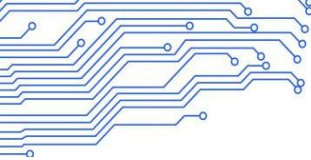
Chapter 4 Common Troubleshooting

All products undergo strict testing before leaving the factory. They are durable, and issues encountered during use may be due to settings and operations on your part, or compatibility issues with other devices. This common troubleshooting information can help you resolve simple operational problems in a timely manner or identify the reasons for repairable faults.

1	After powering on, the main unit does not enter the system.	1. Please confirm that the power supply to the main unit and monitor is normal, and that the main unit adapter is powered on. 2. Check if the status indicator lights are correct. 3. Some models of the host need to be powered on by pressing a button.
2	The host automatically shuts down without reason	1. Please check if the power is disconnected and if the power adapter is loose. 2. Is a scheduled power on/off set? 3. Is the application actively shutting down?
3	The host automatically restarts without reason	Please check if the one-click restore button is set to the outer side of the board (it should normally be close to the inner side of the board).
4	Video playback shows an image But there is no sound	Check if the audio output settings match (Codec/HDMI) and if it is muted.
5	Network cannot connect	Check the network connection or whether the router is functioning properly, and ensure that the network parameters are set correctly.

Note: 1) If the host accidentally comes into contact with water or conductive liquids, please immediately disconnect the power, wipe the liquid with a tissue, and do not use a hairdryer. If the situation is severe, it is recommended to contact customer service for consultation or send it for repair.

2) If the host accidentally falls and causes deformation or damage to the casing, or damage to the motherboard, please immediately contact customer service for repair.



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