DSBOX-6320SE

Shenzhen Smart Device Technology Co., Ltd.

Specification

Information publishing box

Modification History

Version	Modified Content	Modified by	Verified by	Date
V1.0	Established	Xiao Fengjie		2025-08-07

Declaration

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Chapter 1 Product Overview

1.1 Industry Applications

The DSBOX-6320SE is an information publishing box equipped with a GK6320V100 processor and compatible with Android and OpenHarmony operating systems. It supports 4K HDMI or 1080P LVDS display output, and flexible networking via 2.4G Wi-Fi, Bluetooth, and Ethernet. A rich array of interfaces, including 3*USB ports and a serial port, allows for convenient expansion. Its compact size and exceptional cost-effectiveness make it ideal for various advertising machines, digital signage, electronic water signs, mobile signage, information screens, and smart terminals.

1.2 Appearance and Interface Diagram

Appearance diagram：

HDMI

Interface diagram：

PWR-KEY   DC_12   USB   USB   LAN   AUD   WIF

PWR-KEY   12V DC IN   OTG   USB   以太网   耳机   Wi-Fi天线

HDMI

HDMI OUT

Chapter 2 Product Specifications

2.1 Specifications Table

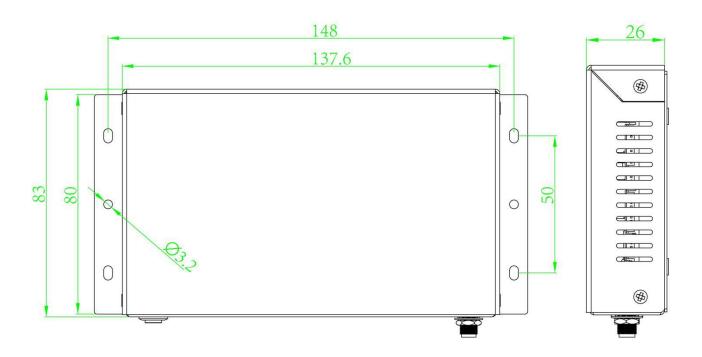| Product Parameters		
Core parameters	CPU	GK6320V100, 4-core 64 bits high-performance Cortex A55 processor
	GPU	GPU Mali450
	Local storage	8GB
	DDR memory	1GB
Network	Wi-Fi	2.4G Wi-Fi
	Bluetooth	BLE
	Ethernet	1*10M/100M adaptive Ethernet
	Antenna	1 SMA antenna interface: WiFi antenna*1
Display port	HDMI OUT	Support 1*HDMI output, with the maximum resolution of 4Kx2K@60Hz.
External port	USB-OTG	1*USB2.0 (USB_OTG limit to 1A)
	USB 2.0	1*USB2.0 (limit to 1A)
	Audio interface	adapt 3.5mm, four-section headphone jack without MIC
Electrical source	Input voltage	DC 12V (±10%)
	Static power consumption	0.3W (TYP.)
	Fan	/
Environment parameters	Working temperature	0℃~60℃
	Working humidity	8%~90%RH, no condensation
	Storage temperature	-20℃~70℃, it is 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
	surge guard	IEC 60068-2-27, half sine wave, lasting 11ms
	EM	GB17626.2-2018 IEC61000-4-2 level 4 standard

	Selectostatic disturbance resistance	Contact discharge 4KV/ air discharge 8KV
	EMS lightning surge	GB17626.5-2019 ±2KV
	Certification	/
	Waterproof	/
Appearance information	Size	/
	Appearance color	black frosted shell
	installation mode	Level surface placement or wall mounting
Packing list		box*1、instruction *1、certificate*1 (Actual shipment is more accurate.)

2.2 Product Size Diagram (Unit: MM)

Chapter 3Notes

Please read the instructions and safety matters of this guide carefully, and strictly implement them during the use. This will help prevent damage to the host machine, prolong the service life, ensure your normal use and host maintenance, and ensure your personal safety.

● Please read the relevant documents that are attached with the random document first. If there are inserts, please read them first.

● Follow all safety warnings and signs on this product.

● Please use the original power adapter or only the power type indicated for this product.

● In the case of thunderstorms, please do not plug or unplug network cables, power cables and other conductors that may be connected to the outside world.

● Please unplug the power before cleaning this product. Please do not use liquid, spray or wet cloth for cleaning.

● Please do not dismantle the machine without permission, and do not try to repair this product by yourself. Please have an authorized professional do this work.

● Do not place the host near a heat source.

● Pay attention to moisture protection, do not splash water or other liquids on the host, if the following situation occurs, please immediately unplug the power of the host.

● The following special conditions require professional maintenance personnel to repair.

1. Power cord or plug damaged.
2. Conductive liquid splashed into the product.
3. Product drop or serious damage to product shell.
4. The product has unknown errors or obvious performance changes, which cannot be eliminated after conventional troubleshooting.

Statement:

1.Specifications are subject to change without prior notice. Our company reserves the final right to interpret the instructions in this manual.

2. The product may malfunction when exposed to strong radio interference (such as electromagnetic fields, static electricity, or line noise). Please ensure the product is used in a normal environment.

Chapter 4 Common Troubleshooting

All products are rigorously tested before leaving the factory. They are durable and reliable. Problems you encounter during use may be due to settings or operations you have set up. Or they may be due to device compatibility issues. This troubleshooting guide helps you quickly resolve simple operational issues or identify the causes of maintenance issues.

1	The host does not enter the system after starting up.	1.Please confirm that the power supply of the host and monitor is normal, and whether the host adapter is powered on. 2. Check whether the status indicator is correct. 3.Some models require a button to start up.
2	The host shuts down automatically for no reason.	1.Check whether the power supply is disconnected and whether the power adapter is loose. 2.Whether to set the timer on and off. 3.Whether the application terminal is turned off actively.
3	The host restarts automatically for no reason.	Check whether the one-key restore button is located near the outside of the board (normally it should be near the inside of the board).
4	When playing video,there only exists images without any sound	Check that the audio output Settings are matched (Codec/HDMI) and whether it is muted or not.
5	The network is not connected.	Check whether the network connection or router is normal, and whether the network parameter setting is normal.

Note:

   1) If the host accidentally gets water or conductive liquid, please immediately cut off the power supply and dry the liquid with paper towels. Do not use a hot hair dryer. In case of serious situation, it is recommended to contact the after-sales service for consultation or send it for inspection and maintenance immediately.

2) If the mainframe slips and causes the shell deformation and damage, or the motherboard is damaged, please contact the after-sales service immediately for maintenance.