

# K300 Embedded Computer Instruction

Welcome, our distinguished customer. It is our great honor having you choosing our embedded computer (hereinafter referred to as "the device" or "K300"). We enclose this detailed instruction, which will help you better use your device, along with the device, hoping you read it carefully.

When compiling this instruction, we strive to make it easy to read, comprehensive in content, and suitable for self-study of people from all walks of life, so that you can learn the installation, basic operation, software and hardware using, safety precautions, simple troubleshooting and other knowledge of the device. Before using for the first time, please read all the attached materials carefully, so that you can use your device better.



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**[Note]**The appearance, color, functions and pictures in this instruction are for reference only. If there is any difference, please subject to actual product as you see. We reserve the right to update the device and this instruction without further notice.

# **Chapter I: Safety knowledge and device knowledge**

## **1.1 Safety knowledge**

Please read the safety precautions listed in this chapter carefully and strictly implement them when using. It will help prevent damage to computer, prolong the service life of the device, ensure your normal use, maintain the device, and ensure your personal safety.

- a. Please read the attached documents first. If there are any interleaves, please read them first! For your personal safety and the normal use of the device, please make sure that the power supply you provide can meet the input power information marked near the power input port of the device.
- b. Lightning may damage the device and even your personal safety. Therefore, when in lightning weather, please do not plug in or pull out the network cable, power cable and other conductors that may be connected with the outside world.
- c. When you intend to move the device, please disconnect all cables connected to the device.
- d. Do not spill water or other liquids on the device or the monitor. Do not cover the ventilation holes. Do not let the sunlight shine directly to your device.

## **1.2 Indicative instructions for device recycling**

To better protect the environment and human health, when the device is not needed or the service life is terminated, please do not discard or send it to the garbage disposal site. Please abide by the relevant national laws and regulations on recycling waste electronic device, and send it to the operators or institutions with the national recycling qualification for recycling.

## **1.3 Device information**

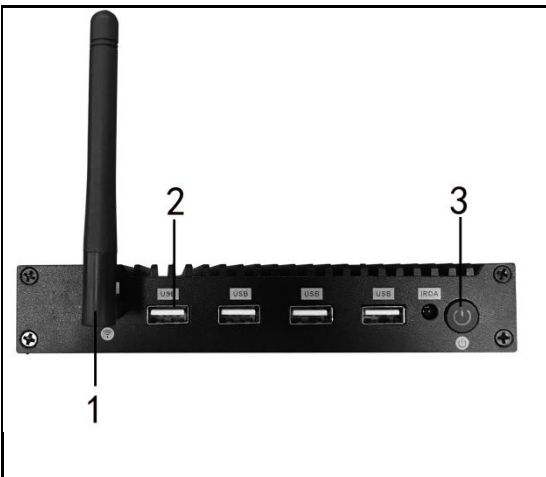
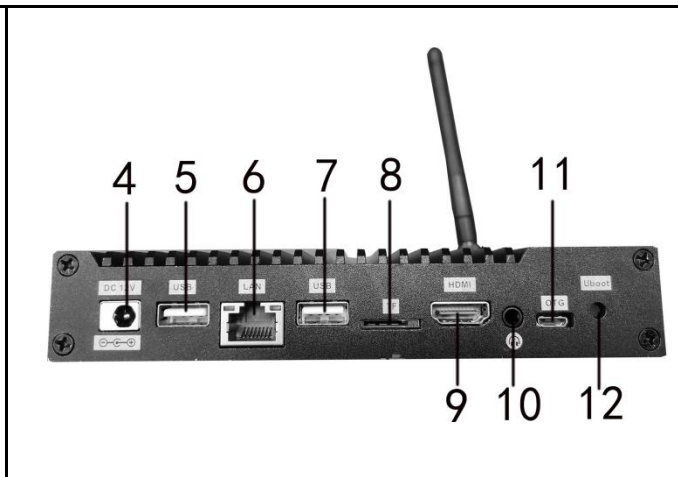
Before you install your device, please check all parts carefully according to the packing list.

Device name: Embedded Computer K300

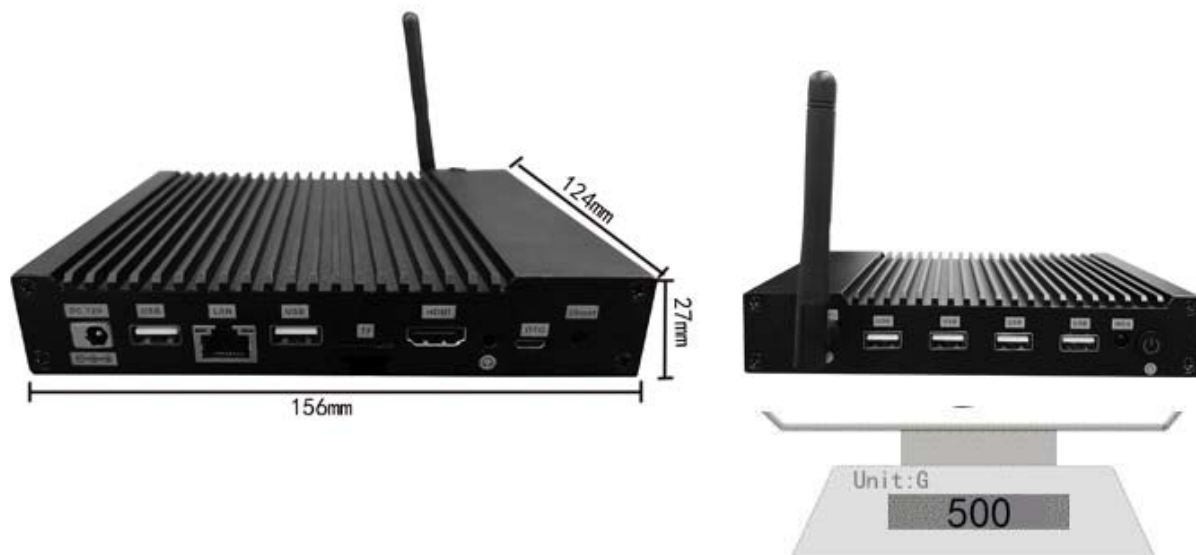
Device components: host x 1, power adapter x 1, HDMI cable x 1, antenna rods x 1, warranty card x 1 and certificate of quality x 1.

## Chapter II: Operation guide

### 2.1 Meet the device

			
Component		Description	
1. Antenna device		Connecting WiFi devices	
2. USB2.0 interface		Connecting USB devices	
3. Power-on button		One-key boot	
4. DC power interface		Connecting power adapter	
5. USB2.0 interface		Connecting USB devices	
6. LAN port		Connecting LAN port	
7. USB2.0 interface		Connecting USB devices	
8. TF card interface		For inserting TF Card	
9. HDMI interface		Connecting HDMI input devices, such as TV or external monitor with HDMI interface	
10. Audio interface		Headphone audio interface	
11. OTG socket		Connecting Micro USB devices	
12.Uboot		Mainboard firmware flashing button	
Power button and indicator			
Indicator	Indicator status	Description	
Power status indicator	On (blue)	The device is in power-on state	
	Off	The device is not in power-off state, or not working	

## 2.2 Introduction of device size and weight



## 2.3 User Guide

Embedded computer has powerful information processing function and movability at the same time. Whether you are in the office, at home or traveling, it is your efficient helper that always accompanies you. The following content will help you master the ways and techniques of using this device.

### 2.3.1 Packing list

When you receive this device, please open the box and carefully take out the contents (see the table below). If there is any missing or damage, please contact the supplier immediately.

Product Name	Quantity
Embedded computer	1
Power adapter	1
HDMI cable	1
Antenna rod	1
Warranty card and certificate of quality	1

### 2.3.2 How to connect to the power supply (refer to figure 1)

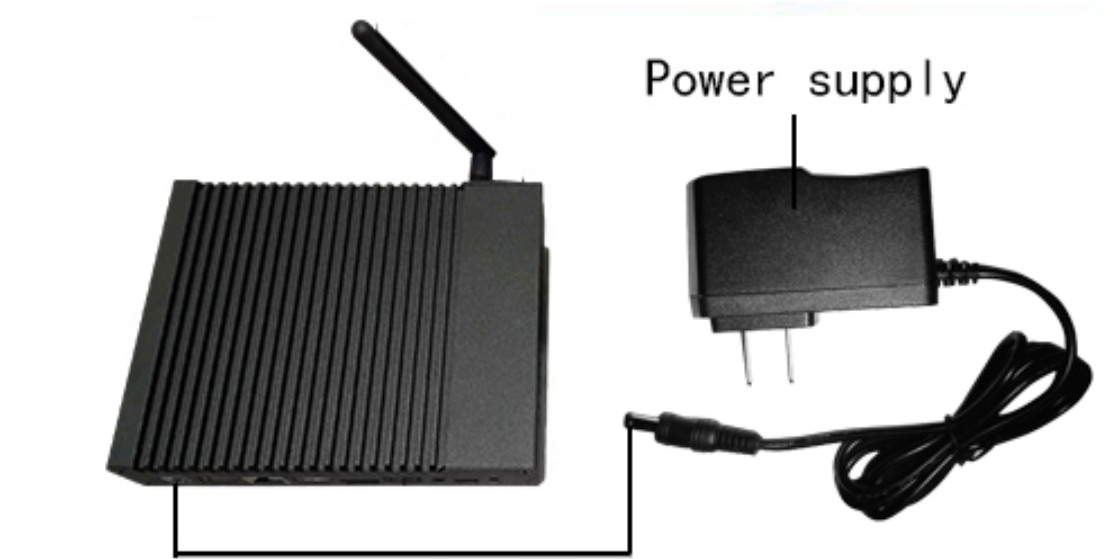


Figure 1

### 2.3.3 Schematic diagram of connection between the device and the display (refer to figure 2)



Figure 2

If the interface of your monitor and the monitor of the host cannot match, you need to use an adapter (please refer to figure 3 for the required adapter cable). First, connect the adapter to the host, and then connect the monitor cable to the adapter. In this way, the host and the monitor are successfully connected.

Please find the corresponding interface of your monitor at the bottom, and the adapter / cable required for connecting your monitor to the host is on the right.

Monitor interface type	Picture of interface	Cable required for connection
AV interface		HDMI to AV 
DV linterface		HDMI to DVI 
VGA interface		HDMI to VGA MIDI DP to VGA 
MINI-DP		MINI-DP 
DP		MINI-DP to DP 
HDMI		HDMI 

### 2.3.4 Operating the device

Please confirm that the power adapter, monitor and other devices are connected. After the power supply is connected, the indicator light is blue, and the host starts to run.



**FCC Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

**FCC Radiation Exposure Statement:**

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

# Warranty card

User name:\_\_\_\_\_ Tel:\_\_\_\_\_

Contact address:\_\_\_\_\_

Purchase date:\_\_\_\_\_ Device model and SN:\_\_\_\_\_

Purchase channel:

☐ Physical store Store name:\_\_\_\_\_ Shop address:\_\_\_\_\_

☐ E-commerce platform Store name:\_\_\_\_\_ Order ID:\_\_\_\_\_

## Maintenance records

Maintenance date	Failure description	Solution

**Note:** Please fill in the above information carefully and send it to the supplier along with the host. The information must be accurate to ensure that you can be reached at the address and telephone number. If the goods cannot be received due to the wrong telephone number / contact address, it is at your peril.