

KVM-IPC

User Manual



Content

1.User Notification	2
2.Introduction	2
2.1. Introduction	2
2.2. Product Features	2
2.3. Structure	3
2.3.1 Appearance Dimensions	3
2.3.2 Front View	4
2.3.3 Rear View	4
3. Installation	5
4. Operation	5
4.1. Mode Selection	5
4.2. Network Settings	6
4.3. Login	7
4.3.1 Client Mode Login	7
4.3.2 Server Mode Login	7
4.3.3 Remote access to IP KVM	8
5. Basic functions	11
5.1. User Management	11
5.2. Network Settings	12
5.3. Factory Resetting.	12
5.4. Log	13
5.5. Restart the Equipment	13
5.6. Time Setting	14
5.7. Equipment Upgrade	14
6. Technical specifications	15

1. User Notification

All information, documents and specifications contained in this manual are subject to change without prior notice. The manufacturer makes no express or implied representations or warranties about the contents of this document, especially the merchantability or suitability for any specific purpose. Any manufacturer's equipment described in this manual is sold or licensed as it is.

If the equipment is artificially damaged after purchase, the buyer (not the manufacturer, its distributors or dealers) shall bear all necessary maintenance, repair costs and all costs of any incidental or indirect losses caused by equipment defects.

The manufacturer of this equipment is not responsible for any radio and television interference caused by unauthorized modification of this equipment. It is the user's responsibility to correct such interference.

If the correct operating voltage setting is not selected before operation, the manufacturer will not be responsible for any damage caused by system operation. Please make sure the voltage setting is correct before use.

2. Introduction

2.1 Introduction

Remote terminal control box IPK301 is a controller for remotely managing IP KVM. It can remotely access IP KVM in the network through the Internet, and can switch between the remote management system and the office computer at will after connecting to a PC host, thus juggling remote management and office work.

2.2 Product Features

- Adaptive 10/100/1000 Mbps network
- The equipment supports graphical interface, which can realize intuitive and convenient man-machine interaction.
- Keyboard and mouse emulation function to ensure normal startup.
- When the system fails, it will not affect the normal use of the controlled equipment, and can

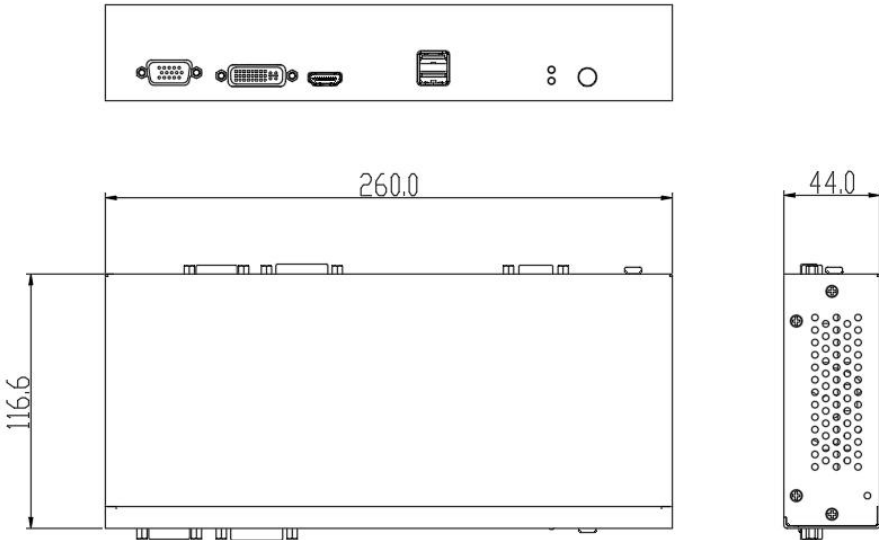
still guarantee the mouse, keyboard and monitor of the server are in active state.

- Provide a variety of fast and accurate mouse synchronization modes, which are responsive and can automatically synchronize the local and remote mouse movement positions, thus improving the accuracy of the administrator's management operations.
- Bios-level access. Easy to achieve user management
- A server with VGA and DVI interfaces can be connected for switching.
- The display port supports VGA, DVI and HDMI interfaces.
- Multiple switching modes: key combination and buttons.
- Resolution is up to 1080P; Data transfer speed up to 30 FPS.
- Support PS/2 keyboard and mouse access
- Support audit function. The administrator can audit the equipment through system log and operation log.
- Rich and diverse user management rights and policies, which can be assigned to different user groups.
- Support firmware upgrade

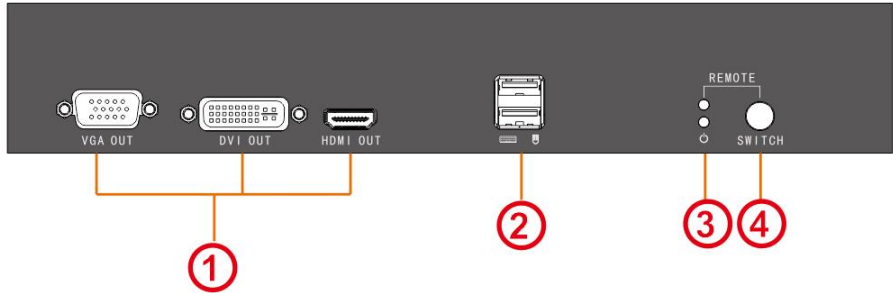
2.3 Structure

2.3.1 Appearance Dimensions

Product Size

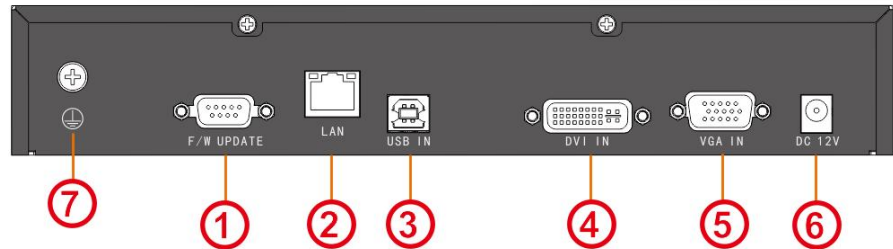


2.3.2 Front View



Number	Explanation
1	Display output
2	USB keyboard and mouse interface
3	Power indicator and switching indicator
4	Switching button

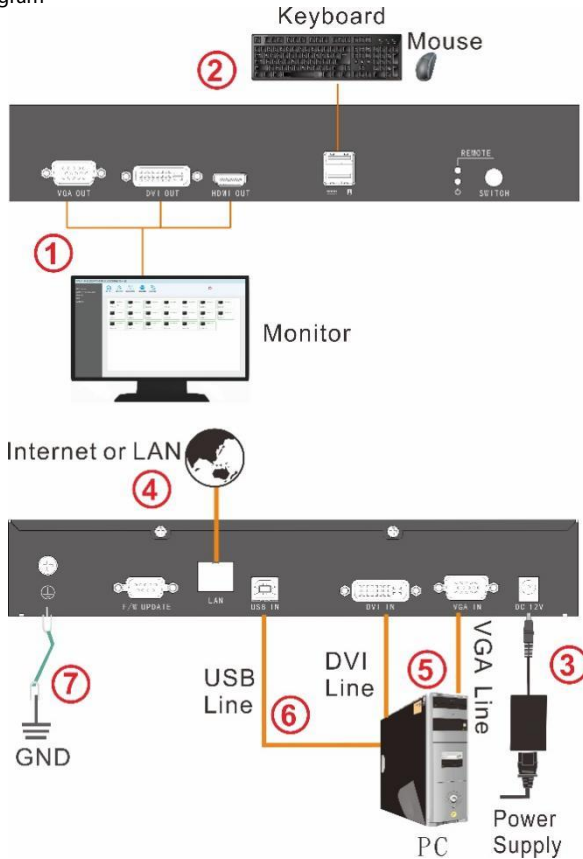
2.3.3 Rear View



Number	Explanation
1	Series port
2	LAN interface
3	USB input (connected to host)
4	DVI input (connected to the host)
5	VGA input (connected to the host)
6	Power Jack DC 12V
7	Grounding screw

3.Installation

Installation Diagram



Before installation, please make sure that all the devices to be connected are powered off.

- 1) Connect the monitor (Figure ①), USB keyboard and mouse (Figure ②) to the CONSOLE port of local device.
- 2) Connect the server to the terminal control box through VGA or DVI signal cable (Figure ③)
- 3) Connect the server to the terminal control box through USB signal cable (Figure ④).
- 4) Connect the LAN network cable to the Lan port (Figure ⑤)
- 5) Ground the equipment as shown in Figure 6.
- 6) Connect the power adapter (Figure ⑦) to the KVM power socket.

* Note: When the server is connected with VGA interface, the monitor can only be connected to VGA interface; The local server is connected with DVI interface, the monitor can only be connected to DVI or HDMI interface.

4. Operation

4.1 Mode Selection

A mode selection interface will appear when the device is turned on for the first time, which is

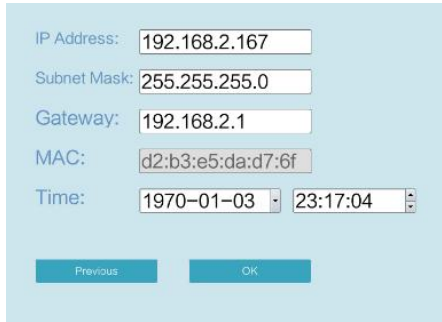
divided into client mode and server mode. Client mode allows you to manage IPK301 terminal control box in LAN, while server mode allows you to manage IP KVM in LAN. You are allowed to choose the appropriate mode according to your actual situation.



4.2 Network Settings

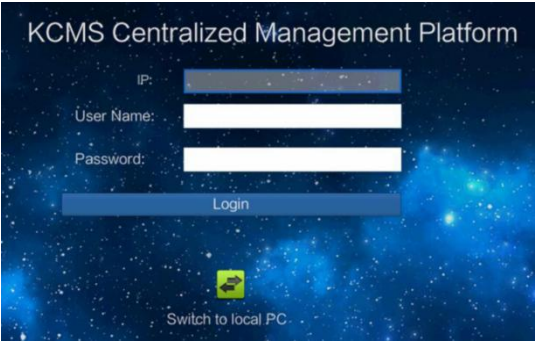
After selecting the mode, you will enter the network setting interface. Select static IP to manually set the IP address, subnet mask and default gateway. Select DHCP to automatically obtain the IP address, subnet mask and default gateway, then set the time. After setting, click Finish to enter the login interface.

Note: Please connect the network cable to IPK301 network port before setting up the network.

The image shows a network configuration interface with a light blue background. It contains several input fields with labels in blue text: "IP Address:" with the value "192.168.2.167", "Subnet Mask:" with the value "255.255.255.0", "Gateway:" with the value "192.168.2.1", "MAC:" with the value "d2:b3:e5:da:d7:6f", and "Time:" with a date field set to "1970-01-03" and a time field set to "23:17:04". At the bottom, there are two buttons: "Previous" and "OK".

4.3 Login

4.3.1 Client Mode Login



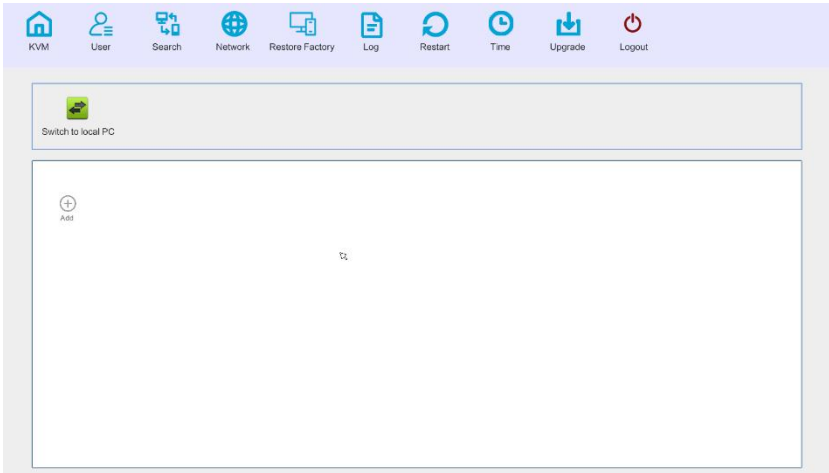
IP	IP address of KCMS server in LAN (if KCMS is not installed, enter 0.0.0.0)
User:	admin
Password:	admin
Local switch:	switch to the server connected to IPK301.

4.3.2 Server Mode Login



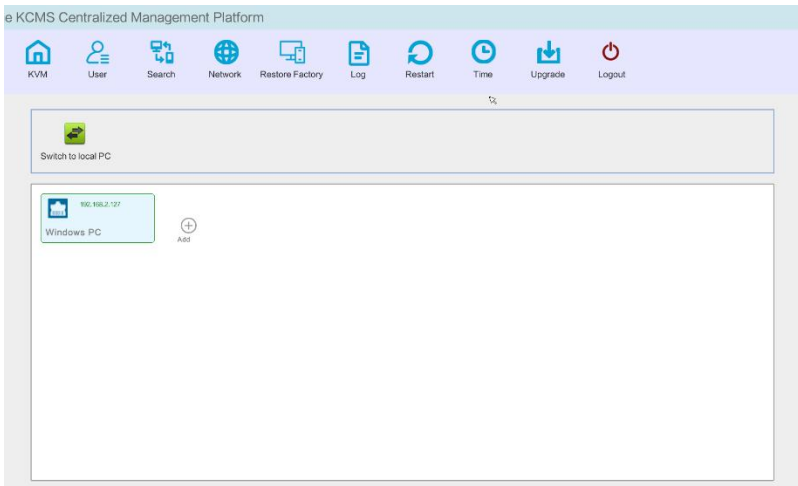
User:	admin
Password:	admin
Local switch:	switch to the server connected to IPK301.

After entering the corresponding information, you will enter the IPK301 management main interface, as shown in the following figure:

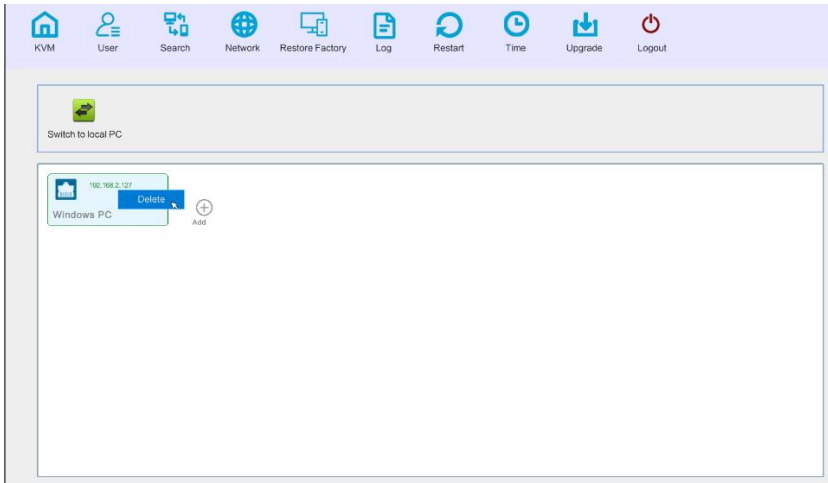


4.4 Remote access to IP KVM

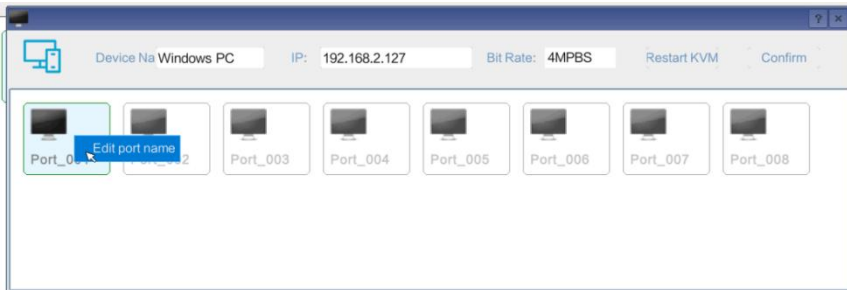
Click Search Device to search IP KVM devices in LAN, after entering the main interface of management.



Select one IP KVM, then click the right mouse button, the Add option will be appeared. Then click Add to show added IP KVM.

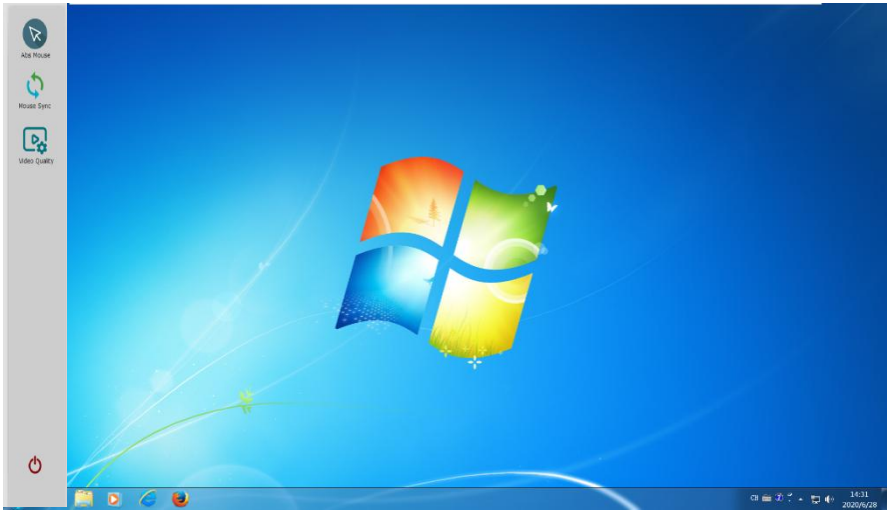


Click on one of the IP KVM you want to access, and the port list of that IP KVM will pop up. Then click on the connected port for remote access.



Note: The gray port indicates that the port is not connected. Right-clicking the port to edit port name. If the port is connected to a serial device, right-clicking the port to change the port name and serial port settings.

When you have entered the port, double-click the keyboard [L-Ctrl] to bring up the toolbar, double-click the keyboard [L-Alt] to exit the management interface, or double-click the keyboard [L-Alt] to exit the management interface after switching to the server connected locally.



Mouse Mode Selection Relative mode: Relative mouse has the highest compatibility, basically supporting all operating systems, and this mode is the factory default setting .

Absolute mode: The absolute mouse mode is available only on some servers. Servers with WINDOWS series systems basically support absolute mouse, while LINUX system does not support it. Users can choose to use at will.



In the dual mouse mode, click this button to automatically proofread the current mouse, and accurately synchronize the external and internal mice to the origin of the upper left corner of the video window.



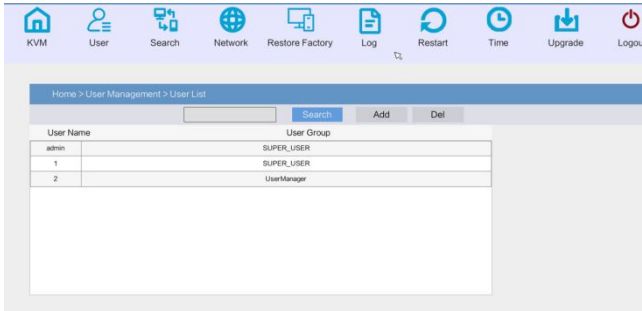
After clicking this video quality, the video setting interface will pop up.



Press this or the keyboard [Esc] to exit the toolbar.

5. Basic functions

5.1 User Management



User management interface: list all registered users.

Find users:

Enter the user name in the search box to list the corresponding user names. This function is pretty practical when there are a large number of users.

Add users:

Click the [Add] button for adding users.

The screenshot shows the 'Add New' user form. It has a blue header bar with the text 'Add New'. Below the header, there are four input fields with labels and asterisks indicating they are required:

- User Name: *
- Password: *
- Confirm password: *
- User Group: *

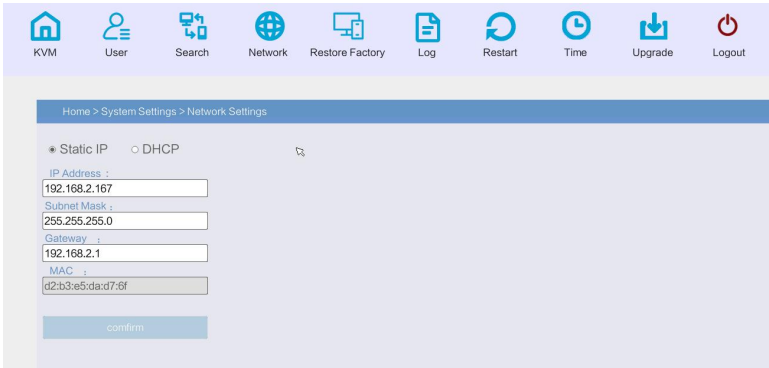
The 'User Group' field has a dropdown menu with 'System administrator' selected. At the bottom of the form, there are two buttons: 'Confirm' (blue) and 'Cancel' (orange).

User Group: Just select the corresponding user group. The system administrator has all rights for management; Users can only use the functions of user management, network settings, factory resetting, log, equipment restart, time setting and equipment upgrade; Equipment manager can only use network settings, device restart, time setting and device upgrade functions.

Delete:

Select the user you want to delete and click Delete.

5.2 Network Settings



IP Address: Preset IP address.

Subnet mask: Generally, it should be consistent with other devices in the network.

Gateway: It should be consistent with other devices in the network.

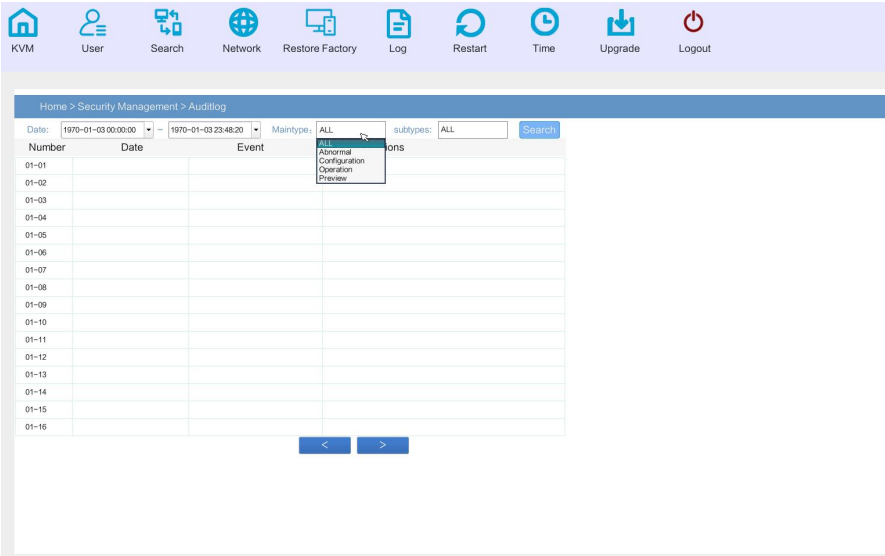
MAC address: Physical address

5.3 Factory Resetting.



Click factory resetting, then the check box will pop up, then click "Yes" to reset.

5.4 Log



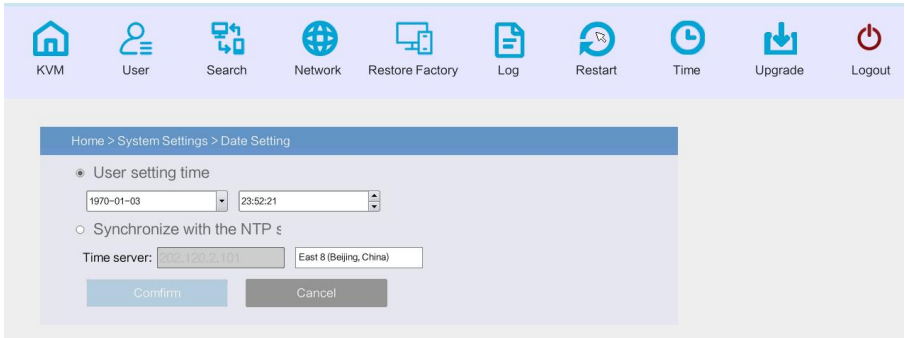
You are allowed to view the corresponding log after setting the date and type.

5.5 Restart the Equipment



Click check box for restarting equipment, and click "Yes" to restart the device.

5.6 Time Setting

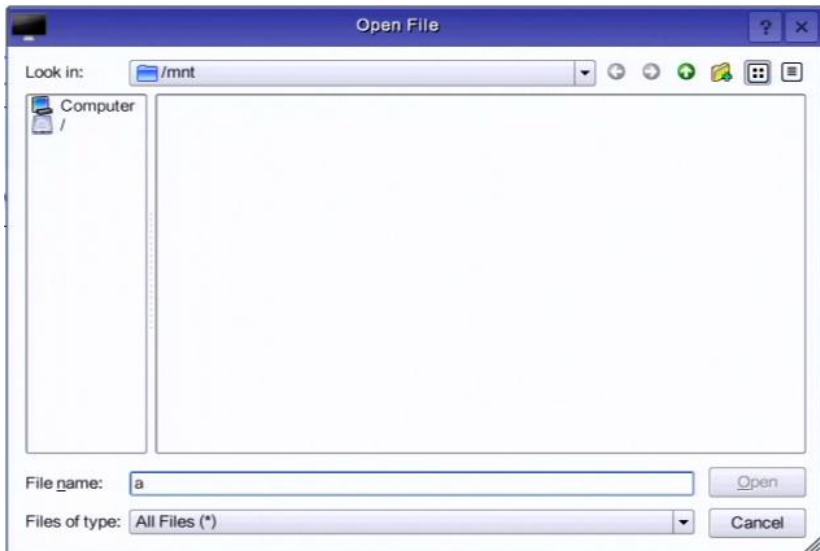


Set the system time

User-specified time: The user set the time manually.

Synchronization with NTP server: the system automatically updates the time according to the time server.

5.7 Equipment Upgrade



Click equipment upgrade to pop up the file selection interface, select the corresponding upgrade file then click "Open" to upgrade.

6. Technical specifications

Model			IPK301
Server connections			One
Connector	Console	Keyboard	USB Type A
		Mouse	USB Type A
		Monitor	VGA、DVI、HDMI
	Network		1x 1000Mbps
	PC	Keyboard, mouse	1x USB Type B
		show	1x VGA and 1x DVI
Resolution			Local: 2048 x1536 @60Hz Remote: 1920 x1080 @60Hz
Remote	Remote control		KVM control
	Management Interface		LAN
Power Input			DC12V/ 2A
Power Consumption			10W
Working Temperature			0—50 ℃
Storage Temperature			-20—60 ℃
Humidity			0-80% RH, non-condensing
Net weight (kg)			1.2Kg
Measurement (W x D x H)			260mm× 116.6mm×44mm