Hybrid Conference System with Wireless BYOD

有线无线混合会议演示系统

eShare W5 0

User Manual

用户手册

AV Access

Statement

FCC ID:2A9A5-ESHAREW50 This device 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.

NOTE: 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.
Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Statement

The distance between user and products should be no less than 20cm.

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Introduction

Overview

The eShare W50 is a high-performance BYOD presentation switcher with wireless presentation capability. It equips built-in Wi-Fi module and offers multiple access approaches, including Airplay Mirroring, Miracast, Dongle and physical HDMI and USB-C ports, with which you can project the screen contents of your computers (Mac/Windows) or mobile devices (iPhone/iPad/ Android phone) to a display.

Multiple features like automatic signal switching, CEC, Guide Screen, OSD display are also included. It is a collaboration terminal that perfect for conferencing system.

Features

- Built-in Wi-Fi module for wireless connectivity with devices over Airplay Mirroring, Miracast and Dongle.
- Supports USB signal return for controlling host PC on touch screen.
- Supports HDMI input and output resolutions up to 4K@30Hz 4:4:4.
- Detailed and friendly OSD information.
- Offers friendly Web UI for easy configuration.

Package Contents

Before you start the installation of the product, please check the package contents:

- eShare W50 x 1
- DC 12V Power Adapter x 1
- Wi-Fi Antenna x 1
- USB Type-C to USB Type-C Cable with Lock (L=2m) x 1
- HDMI Cable with Lock (L=2m) x 1
- Mounting Brackets x 2
- Mounting Screws x 4
- Self-drilling Screws x 4
- User Manual x 1

Panel

Front Panel

No.	Name	Description
1	Power	Lighting yellow-green when the device is powered on.
2	Status	. Lighting yellow-green: The device is outputting at least one video source. . Blinking yellow-green: The device is in standby mode. . Off: The device is outputting Guide Screen.
3	Pairing	USB-C port for connecting to the dongle for pairing.
4	Reset	Reset button. When the device is powered on, use a pointed stylus to hold down this button for five or more seconds and then release, the device will reboot and restore to its factory defaults.

Rear Panel

No.	Name	Description
1	12V	Connect to the DC 12V power adapter provided.
2	Input port	Connect to an HDMI and/or a USB-C source.
3	USB 3.0	3 x USB-A ports with the two following functions supported: (1) Connect to USB peripheral devices (e.g. keyboard, mouse, touch screen, etc.). **Note:** Each 1A port can output DC 5V 1A power to the USB peripheral device. (2) Connect to a U-disk for firmware upgrade. More information, see Firmware Upgrade section.
4	HDMI Out	Connect to an HDMI display.
5	LAN	Connect to a network device (e.g. network switch, router, computer, etc.) for LAN control (Web GUI) and airplay mirroring signal input.
6	Wi-Fi	Connect to the antenna provided for the access to Miracast and soft AP function.

Installation and Application

Note: Before installation, ensure the device is disconnected from the power source.

Attaching the Antenna

Attach an antenna provided to the threaded connector, and screw it down in clockwise.

Attaching Brackets

1. Attach the bracket to the bottom panel using screws provided in the package. The bracket is attached to the bottom panel as Figure (a) shown.
2. Repeat step 1 for the other side of the bottom panel.
3. Attach the brackets to the surface (e.g. on the wall, under the table) you desire using self-drilling screws provided (see Figure b).

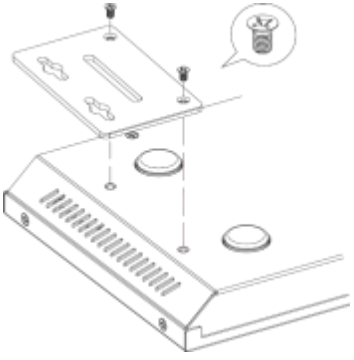


Figure (a)

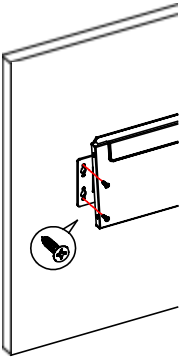
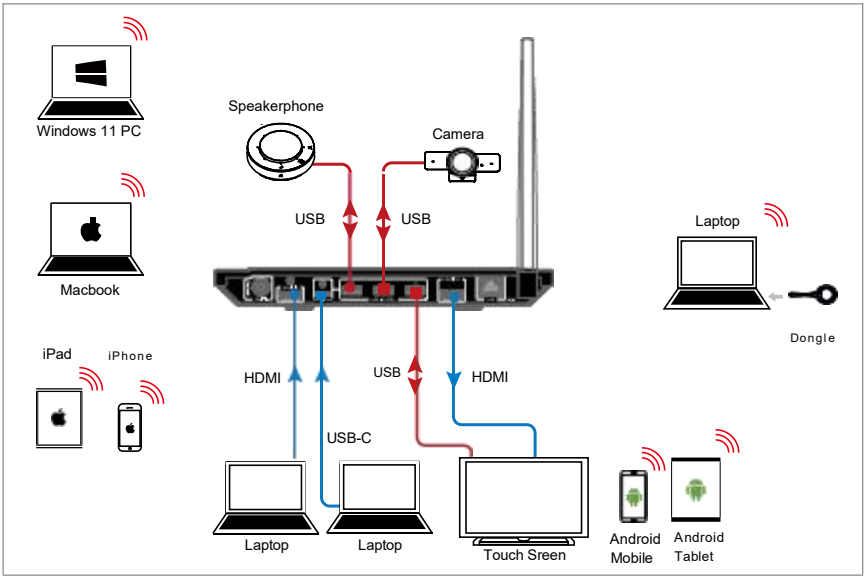


Figure (b)

Application



Note: If the USB-C video source (e.g. a laptop) is being displayed, all USB devices connected to USB 3.0 Type A ports of eShare W50 will be routed to the USB-C video source as well.

Key Functions

Screen Mirroring

If you're working on a PC and want its apps and content to be shown on another screen, you may want to consider mirroring your PC's screen to that screen.

With screen mirroring support, the device allows you to share your mobile devices' content wirelessly on any HDMI displays over Airplay Mirroring, Miracast and/or Dongle. In this manual, mobile devices available for screen mirroring are referred to as "screen mirroring source", such as Apple devices (iPhone/iPad/Mac), Android phones, Windows PCs, Dongle, etc.

Screen Mirroring over Airplay (for Apple Devices)

a. Connect your iPhone/iPad/Mac to the device's Wi-Fi.
   - **Wi-Fi SSID**: as same as the device name and can be obtained from OSD at the upper right of the display screen. By default, it is set as **eShare W50**.
   - **Password**: set through Web UI and can be obtained from OSD at the upper right corner of the display screen. By default, it is set as **12345678**.

b. Open Control Center on your Apple device, tap 

to select appropriate mirroring device (the device name can be obtained from the upper right corner of the display screen) from the pop-up menu.

c. To disconnect Apple device from the device: click **Stop Mirroring**, the display stops displaying your device's screen.

Screen Mirroring over Miracast (for Android Phones & Windows PCs)

For Android smartphone (take Samsung Galaxy series for example):

1. Enable the Wi-Fi or WLAN feature of your smartphone.
2. On your phone, swipe down from the top and tap 

or 

to select appropriate mirroring device (the device name can be obtained from the upper right corner of the display screen) from the pop-up CONNECT menu.
3. To disconnect the smartphone from the device: click "DISCONNECT" on your smartphone's screen.

Note:

- The icon, instruction and entrance of the Miracast function may vary on different Android phones, please refer to your phone's manual to get accurate instruction.
- If you fail to use Miracast function, please disable your phone's Wi-Fi and enable it later, or restart the mobile if necessary.

For Windows PC (Window 10 or higher):

1. Enable the WLAN feature of your PC.
2. On your PC, press the combination keys "  + K" to select appropriate mirroring device (the device name can be obtained from the upper right corner of the display screen) from the pop-up menu.
3. To disconnect PC from the device: click **Disconnect**, the display stops displaying PC's screen.

Note:

- The icon and interface of the Miracast function may vary on different computers.
- Some Windows 10/11 computers may fail to perform screen

mirroring with Miracast due to compatibility issues.

Tip: Both the Airplay mirroring and Miracast support PIN code. If you see the PIN entry window appears on your devices, input the PIN code that can be obtained through OSD (see OSD section for more information).

Screen Mirroring over Dongle

Users are able to share laptop's content on a display wirelessly without even installing an application by using eShare D10 Dongle.

Note:

(1) eShare D10 Dongle is sold separately.

(2) Before you insert eShare D10 Dongle into your laptop, ensure your laptop's USB-C port supports video output.

Steps to share laptop's screen on the display using eShare D10 Dongle:

1. Pair Dongle with the device.
   Connect Dongle to the Pairing port on the device's front panel. Once pairing between Dongle and the device is completed, "Pairing successful" appears on the display screen.
2. Connect Dongle to a laptop.
   Insert eShare D10 into the laptop's USB-C port, it will start running and connecting to the device's Wi-Fi. After it is connected to the device successfully, the Dongle LED stops blinking and starts lighting constantly.
3. Now press the Dongle's projecting button, you can project your laptop's screen on the display immediately.

Automatic Signal Switching

The device supports automatic signal switching function, allowing you to output desired sources easily and quickly. This function follows Last-In-First-Out rule:

1. When a wired video source (HDMI or USB-C) is connected to the device, the device will automatically switch to this latest connected source and output it.
2. When a wireless video source (Airplay, Miracast or Dongle) is connected to the device, the device will automatically project its screen content to the connected display.
3. When disconnect the source being displayed from the device, the device will switch to the active wired video source that most recently connected or selected. If no active source remains, the display shows the Guide Screen image finally.

Guide Screen

The device outputs Guide Screen picture when no video source is selected or being output. The Guide Screen can be personalized to allow customized connection instructions on the device's Web UI page.

Figure 1 – Guide Screen Image

The Guide Screen image will appear automatically on the display screen after all video sources are removed from the device.

Note:

- This Guide Screen image can be changed though Web UI, for more information, refer to Guide Screen Change section.
- By default, if the device is outputting Guide Screen image for 60 seconds, a countdown timer with the time period of 60 seconds will appear on the Guide Screen. When the timer reaches zero, the connected display will enter standby mode if it is CEC-capable.

OSD

The device supports OSD (on screen display) to convey device basic information, including video source's information, PIN code, device name and IP address, etc. See Figure 2 below:

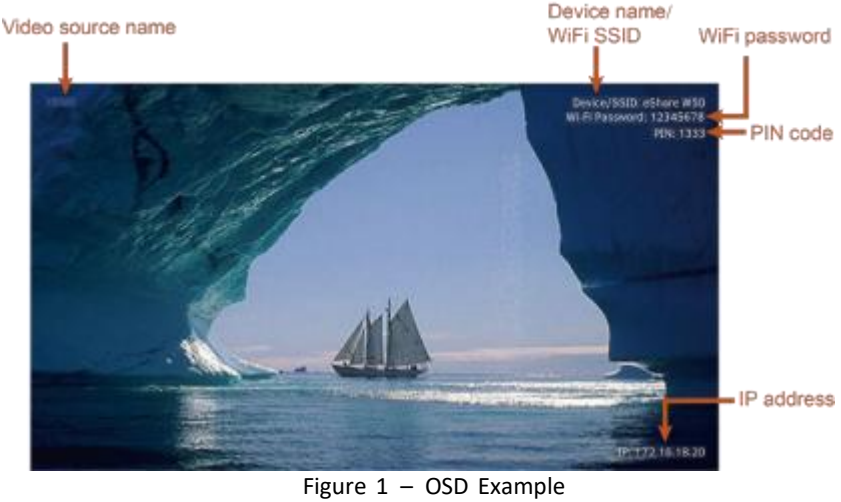


Figure 1 – OSD Example

Web UI

The Web UI designed for this device allows for basic controls and advanced settings. It can be accessed through a modern browser, e.g. Chrome, Safari, Firefox, IE10+, etc.

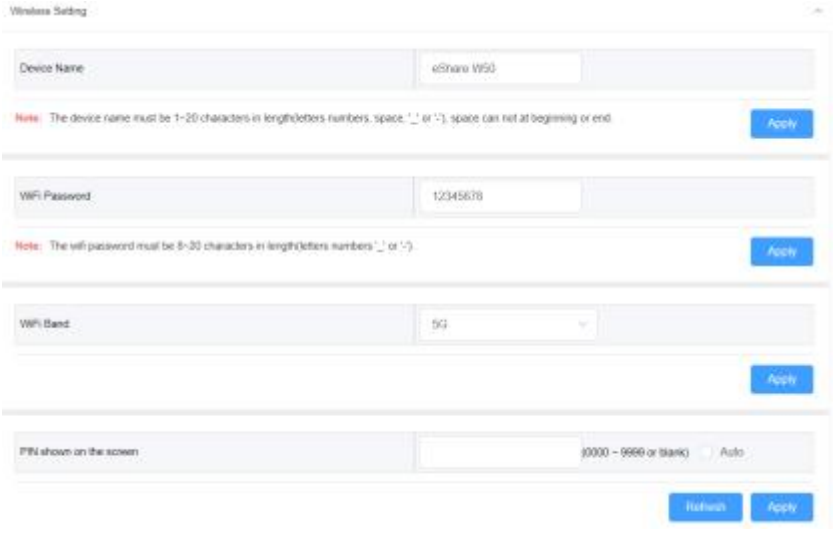
To get access the Web UI:

1. Connect the LAN port of the device to a local area network. Ensure there's a DHCP server in the network so that the device can obtain a valid IP address.
2. Connect a PC to the same network as the device.
3. Input the device's IP address in the browser and press Enter, the following window will pop up. (See OSD section to easily view the IP address.)

4. Input the password (default password: **admin**) and click **Login** to enter the main page.

The main page includes seven submenus: Wireless Setting, Output Setting, Network Setting, Web UI Logon Password, Guide Screen Change, Firmware Upgrade and Version Information.

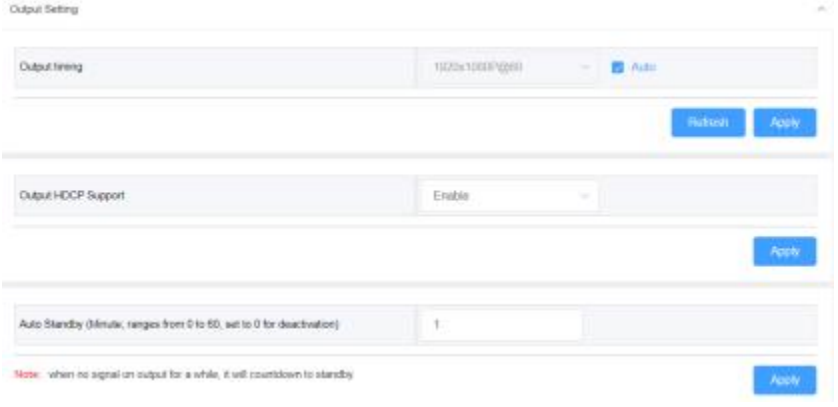
Wireless Setting



UI Element	Description
Device Name	Input a name for the device. This name also acts as the WiFi name and the receiver of Airplay and Miracast. **Note:** The name must be 1~20 characters in length, including letters, numbers, space, "_" or "-", space shall not at the beginning or end. By default, it's set as **eShare W50**.
WiFi Password	Configure the WiFi password. The password must be 8~20 characters in length, including letters, numbers, "_" or "-" . By default, it's set as **12345678**.
WiFi Band	• **5G**: Configure the device 's frequency band as 5 GHz. • **2.4G**: Configure the device's frequency band as 2.4 GHz. By default, it is set as 5 GHz. If your wireless devices

UI Element	Description
	don't support 5 GHz Wi-Fi, configures the frequency band as 2.4G before connecting them to the device.
PIN shown on the screen	Enter a four-digit PIN code (0000~9999) to help prevent users from accidentally connecting to an unintended device and protect from an unauthorized access. • When the PIN code is set, it will appear on the upper right corner of the display. • If you don't want to set the PIN code, you can enter nothing here. • Auto: When "Auto" is checked, the device will randomly generate a four-digit PIN in two cases: a) the device switches to Guide Screen for output; b) the device reboots. By default, it's set as blank.
Apply	Click to perform current settings.

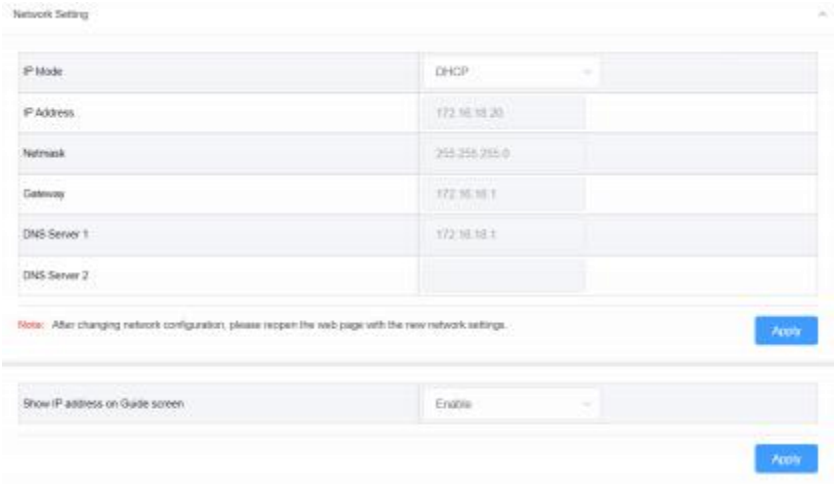
Output Setting



UI Element	Description
Output timing	Set the output timing for the input ports. Two operation methods are offered in the following: • **Auto**: select to output the maximum resolution supported by the display based on the display's EDID. E.g. If display supports up to 4K@30Hz,

UI Element	Description
	the device will output 4 K@ 3 0 Hz video. ▪ **Resolution range list**: select a desired output resolution from the dropdown menu to output this fixed resolution. By default, it's set as **Auto**.
Refresh	Click to refresh to the latest status of the output timing.
Output HDCP Support	Set the HDCP capability for the HDMI output. Two options are offered in the following: ▪ **Enable:** select to enable HDCP capability of the output. ▪ **Disable:** select to disable HDCP capability of the output. By default, it's set as **Enable.**
Auto Standby	Set a period of time that remains before the countdown timer begins for auto standby. • For example, when the current output is Guide Screen, 1 minute means if there's no signal present at the display in 1 minute, the countdown timer for display standby begins; when the timer reaches zero, the display enters standby mode. **Note:** If the connected display doesn't support CEC, the word "Standby" appears in the middle of the Guide Screen. • If it's set to 0 minute, it means this function is disabled, you cannot set the display to standby mode. By default, auto standby is set as **1 minute**.
Apply	Click to perform current settings.

Network Setting



UI Element	Description
IP Mode	Select an IP mode from DHCP and Static. By default, it's set as **DHCP**.
IP Address	Set IP address manually for the device when Static mode is selected.
Netmask	Set subnet mask manually for the device when Static mode is selected.
Gateway	Set gateway address manually for the device to communicate with another network when Static mode is selected.
DNS Server 1 **DNS Server 2**	Set DNS server manually for the device to ensure normal network communication.
Show IP address on Guide Screen	• **Enable:** select to show IP address on Guide Screen. • **Disable:** select not to show IP address on Guide Screen. By default, it is set as **Enable**.
Apply	Click to save and perform current settings. Note: After the IP settings are changed, please refresh the Web UI page to re-login.

Web UI Logon Password

UI Element	Description
New Password	Input a new password for the device to login web UI page.
Confirm new password	**Note:** The password must be 4 to 16 characters in length, alphanumeric only.
Apply	Click to perform current settings.

Guide Screen Change

- **Browse**: click to change to a new picture for the guide screen.
  Note: Picture in jp(e)g format with 1920x1080 pixels is recommended.
- **Apply**: click to upload the selected picture to the device.

Firmware Upgrade

UI Element	Description
Browse	Click to browse for the local upgrade file.
Apply	Click to upload the firmware file to the device and perform firmware upgrade.
Reboot	Click to reboot the device.
Reset to Factory Default	Click to restore the device to its factory defaults. You can also perform this task by using the Reset button on front panel.
Export Log	Click to export system log.

Version Information

UI Element	Description
Version Information	Displays the device's firmware information.
Version	Shows the device' s firmware version.
Build Time	Shows the time and date when the device's firmware was built.

Firmware Upgrade

The device supports firmware upgrade through either Web UI or USB-A ports on rear panel.

To upgrade firmware through Web UI, see Firmware Upgrade section.
To upgrade firmware through USB-A port on rear panel, perform the following:

1. Name the upgrade file package "FSC610-update.zip" .
2. Create a new folder named "upgrade" under the root directory of a FAT32 or NTFS Udisk. Place the upgrade file in this folder.
3. Connect the Udisk to either of the device's USB-A ports. It takes about 1 minute for the device to read the Udisk. If the device detects the upgrade file is a newer version, it will start to upgrade. When the upgrade process is completed, the device will reboot automatically.

Note:

- Before connect Udisk to this device, we recommend that you remove USB-C source from the device's USB-C In port.
- Do not cut off the power during the upgrade process.
- If the device detects the upgrade file is not a newer version, it will not start to upgrade.

Specifications

Technical	
Input Video Port	1 x USB-C In; 1 x HDMI In; 1 x LAN, 10/100/1000Mbps Ethernet; 1 x WLAN
Input Video Signal	• HDMI: HDMI 1.4, HDCP 1.4 • USB-C: DisplayPort 1. 1, HDCP 1.4 • LAN/WLAN: H.264
Input Resolutions	**HDMI:** 640x480[8], 800x600[8], 1024x768[8], 1280x768[8], 1280x800[8], 1280x1024[8], 1360x768[8], 1366x768[8], 1440x900[8], 1400x1050[8], 1600x1200[8], 1680x1050[8], 1920x1200[8], 720x480[8] (480p), 720x576[6] (576p), 1280x720[5] (720p30), 1280x720[6] (720p50), 1280x720[8] (720p60), 1920x1080[2] (1080p24), 1920x1080[3] (1080p25), 1920x1080[5] (1080p30), 1920x1080[6] (1080p50), 1920x1080[8] (1080p60), 3840x2160[5] (2160p30) **LAN/WLAN:** Up to 1920x1080[5] (1080p30) Note: The input resolution support for LAN or WLAN may vary according to the specific BYOD protocols and devices. 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz
Output Video Port	1 x HDMI
Output Video Signal	HDMI 1.4, HDCP 1.4
Output Resolutions	720x480[8] (480p60), 720x576[6] (576p60), 640x480[8], 800x600[8], 1024x768[8], 1280x1024[8], 1366x768[8], 1440x900[8], 1280x800[8], 1680x1050[8], 1920x2160[5], 1600x1200[8], 1920x1200[8], 2560x1440[5], 2560x1440[8], 1280x720[6] (720p50), 1280x720[8] (720p60), 1920x1080[6] (1080i50), 1920x1080[8] (1080i60), 1920x1080[2] (1080p24), 1920x1080[3] (1080p25), 1920x1080[5] (1080p30), 1920x1080[6] (1080p50), 1920x1080[8] (1080p60), 3840x2160[3] (2160p25), 3840x2160[5] (2160p30) 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz

Audio	
Input Audio Port	1 x HDMI; 1 x USB-C In; 1 x LAN; 1 x WLAN
Input Audio Signal	RAW PCM 2.0, 16 bit, 32/44. 1/48KHz sps
Output Audio Port	1 x HDMI
Output Audio Signal	RAW PCM 2.0, 16 bit, 48KHz sps

Wi-Fi	
Standard	IEEE 802.11 a/b/g/n/ac
Frequency	Dual bands, 2.4~2.4835GHz, 5.0~5.8GH
Security	WEP, TKIP, AES, WPA, WPA2

Control	
Control Connector	1 x RJ45, 10/100/1000Mbps Ethernet
Control Method	LAN (Web UI)

General	
Operating Temperature	0°C to + 45°C (32 to + 113 °F)
Storage Temperature	-20 to +70°C (-4 to + 158 °F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/±4kV (Contact discharge)
Power Supply	12V 2A DC
Power Consumption	19W (Max)
Device Dimensions (W x H x D)	230mm x 25mm x 142.6mm / 9. 1” x 0.98” x 5.6” (Antenna not included)
Product Weight	0.68kg/1.5lbs

Warranty

Products are backed by a limited 1-year parts and labor warranty. For the following cases AV Access Technology Limited shall charge for the service(s) claimed for the product if the product is still remediable and the warranty card becomes unenforceable or inapplicable.

1. The original serial number (specified by AV Access Technology Limited) labeled on the product has been removed, erased, replaced, defaced or is illegible.
2. The warranty has expired.
3. The defects are caused by the fact that the product is repaired, dismantled or altered by anyone that is not from an AV Access Technology Limited authorized service partner. The defects are caused by the fact that the product is used or handled improperly, roughly or not as instructed in the applicable User Guide.
4. The defects are caused by any force majeure including but not limited to accidents, fire, earthquake, lightning, tsunami and war.
5. The service, configuration and gifts promised by salesman only but not covered by normal contract.
6. AV Access Technology Limited preserves the right for interpretation of these cases above and to make changes to them at any time without notice.

Thank you for choosing products from AV Access.

If you have any question, please contact us via the following emails:
General Enquiry: info@avaccess.com
Customer/Technical Support: support@avaccess.com

简介

概述

本产品是一款高性能、支持无线投屏功能的 BYOD 演示切换器。除配置有线视频输入端口 (HDMI 和 USB-C) 以外， 它还内置了 Wi-Fi 模块，支持多种接入方式，包括 Airplay 、 Miracast 和 USB 投屏器等方式，以便用户能轻松地将自己的电脑(Mac/Windows 笔记本)或手机（iPhone/安卓)、 iPad 等设备无线投屏到显示端。同时还支持信号自动切换、CEC 、向导屏幕和 OSD 显示等功能。本产品适用于会议室、工作组讨论等应用场景。

特性

- 内置 Wi-Fi 模块，提供 Airplay 、 Miracast 和投屏器等无线接入方式
- 支持 USB 信号回传， 通过触控屏可控制主控 PC
- HDMI 输入和输出分辨率高达 4K@30Hz 4:4:4
- 支持 OSD 显示
- 提供 Web UI(网页版用户界面)

包装明细

在开始使用本产品前， 请通过下列明细检查包装配件:

- eShare W50 x 1
- DC 12V 电源适配器 x 1
- Wi-Fi 天线 x 1
- USB Type-C 转 Type-C 线 (2 米) x 1
- HDMI 线 (2 米)x 1
- 固定耳 x 2
- 固定螺丝 x 4

- 自攻螺丝 x 4
- 用户手册 x 1

面板

前面板

ID	名称	描述
1	Power 指示灯	设备上电后此指示灯亮黄绿色。
2	Status 指示灯	. 黄绿色长亮：设备正在播放视频源。 . 黄绿色闪烁：设备正处于待机状态。 . 不亮：设备正在输出向导屏幕。
3	Pairing	USB-C 端口，连接至投屏器以便与投屏器进行配对。
4	Reset	重置按钮。 当设备通电时，使用尖状物(如牙签、大头针等)长按此按钮持续 5 秒以上后松开， 设备将重启并恢复至默认出厂设置。

后面板

ID	名称	描述
1	12V	连接至 DC 12V 电源适配器。
2	输入口	连接至 HDMI 和 USB-C 源设备。
3	USB 3.0	3 x USB-A 接口， 支持以下两种功能: (1) 连接 USB 外围设备(如鼠标、键盘、触控屏等)。 注：每一个 1A 接口可对外输出 DC 5V 1A 电源。 (2) 连接 U 盘至任意一个 1A 接口可实现固件升级，详情请参考固件升级章节。
4	HDMI Out	连接至 HDMI 显示设备
5	LAN	连接至网络设备(如网络交换机、路由器、电脑等)以实现局域网控制(Web UI)以及 Airplay 投屏信号输入。
6	Wi-Fi	连接所提供的天线以使用 Miracast 和软 AP 功能。

安装和应用

注：安装前，应确保所有设备已完全切断电源。

天线安装

取出包装配件中的天线，将其接口旋入设备的螺栓座并按顺时针方向拧紧，如图所示。

挂耳安装

1. 使用包装配件中的螺丝将挂耳安装至设备的机壳一侧，如图 a 所示。
2. 参考步骤 1 将剩下的一只挂耳安装到机壳的另外一侧。
3. 使用包装配件中的自攻螺丝将设备安装到目标位置(如墙上、桌下等)，如图 b 所示。

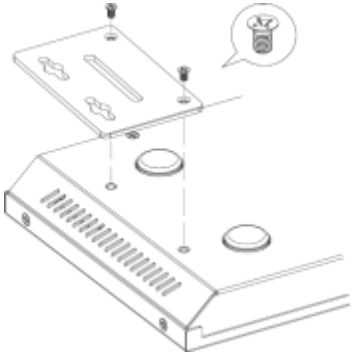


图 (a)

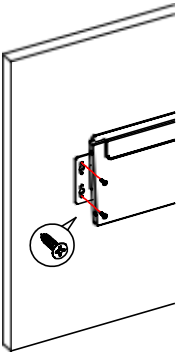
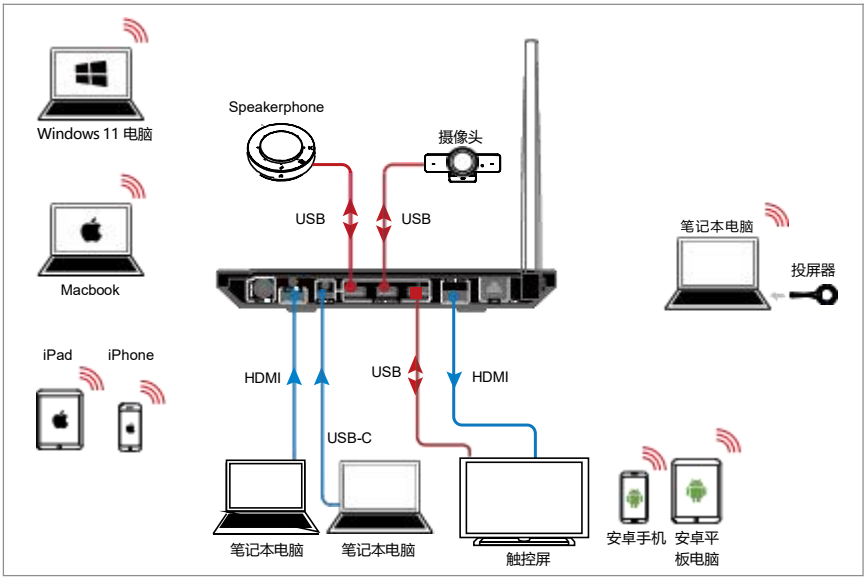


图 (b)

应用



注:

默认情况下， 如 USB-C 信号源正在输出并播放， 连接至 USB-A 接口的 USB 外围设备将与 USB-C 输入接口进行配对连接，此时连接至 USB-C 输入口的笔记本电脑将可以访问这些 USB 外围设备，相当于笔记本电脑直接与 USB 外围设备直接相连一样。

主要功能

无线投屏

如您正在使用电脑并希望在另一台显示设备上显示电脑界面，您也许会考虑将电脑内容无线投屏至屏幕上。

本设备支持无线投屏， 允许您通过 Airplay Mirroring、 Miracast 和 投屏器在任意 HDMI 显示器上无线共享移动设备的内容。在本手册中，可用于投 屏的 移动设 备称为“投 屏信 号源”，它包括 苹果 设备（iPhone/iPad/Mac）、 Android 手机、Windows 电脑和投屏器等。

通过 Airplay 投屏(适用于苹果设备)

1. 连接 iPhone/iPad/Mac 至本设备的 Wi-Fi。
   - **Wi-Fi SSID**：与设备名称相同，也可以通过显示器右上角的 OSD 信息获取。
     默认设置：**eShare W50**
   - **密码**：通过网页版用户界面设置；密码可通过显示器右上角的 OSD 信息获取。
     默认设置： **12345678**
2. 在苹果设备上打开控制中心，轻触 屏幕镜像 并在弹出菜单中选择本设备对应的名称 (设备名称可通过显示器右上角的 OSD 信息获取)。
3. 如需断开苹果设备与本设备之间的连接：单击**停止镜像**；显示端将不再显示苹果设备屏幕的内容。

通过 Miracast 投屏(适用于安卓设备和 Windows 电脑)

以华为手机为例：

1. 开启手机的 Wi-Fi 或 WLAN 功能。
2. 在手机上，手指从屏幕上方往下滑动， 在弹出的控制中心页面里

轻点无线投影图标 

,从出现的可用设备列表中选择本设备对应的名称进行投屏 (设备名称可通过显示器右上角的 OSD 信息获取)。

3. 如需断开手机与本设备之间的连接：在手机上轻点“断开连接”。

注:

- 不同手机的 Miracast 功能的图标、界面等内容可能会有所不同，详情请参考手机的用户手册获取指导。
- 如无法执行 Miracast 投屏操作，建议关闭手机的 Wi-Fi 或者 WLAN 功能后再重新开启，或者重启手机。

使用 Windows 电脑(Windows 10 及以上)

1. 开启电脑的 WLAN 功能。
2. 单击电脑的组合按键 “ + K”，从弹出的可用设备列表中选择本设备对应的名称进行投屏(设备名称可通过显示器右上角的 OSD 信息获取)。
3. 如需断开电脑与本设备之间的连接：单击**断开连接**；显示端将不再显示电脑屏幕内容。

注:

- 不同电脑之间的 Miracast 功能的图标、界面和提示等内容可能会有所不同。
- 由于兼容性问题，某些 Windows 10 电脑可能无法使用 Miracast 功能。

建议：Airplay 和 Miracast 功能都支持接入码。如在操作设备过程中遇到要求输入 PIN 码的情况，请先查看显示屏上的 OSD 信息以获取接入码， 该接入码即为对应的 PIN 码。(关于 OSD 的更多信息，请查看OSD章节)

通过投屏器投屏

通过 eShare D10 投屏器，用户可快速将笔记本电脑的屏幕无线共享至显示器，无需安装驱动。

注:

(1) eShare D10 投屏器需另行购买。

(2) 将 eShare D10 投屏器插入电脑之前，请务必确保电脑的 USB-C 接口支持视频输出。

使用投屏器投射电脑屏幕，可参考如下步骤：

1. 将投屏器与设备进行配对
   将投屏器连接至本设备的 PAIRING 接口进行配对，当显示器屏幕上显示“Pairing successful”时，代表二者配对成功。
2. 将已配对的投屏器连接至笔记本电脑
   接入电脑后， 投屏器开始启动，并开始与本设备的 WiFi 建立连接。当二者连接成功后，投屏器的 LED 指示灯停止闪烁变为长亮。
3. 短按投屏按钮即可无线共享电脑屏幕。
4. 中止投屏：再次短按投屏按钮，电脑将停止共享屏幕， 本设备将切换至使用投屏器投屏前的信号源。

注: 有关更多投屏器的信息，请参考其对应的用户指导。

信号自动切换

信号自动切换功能允许用户快速切换至想要播放的视频源，它遵循“后进先出”原则：

1. 当连接一路有线信号源(HDMI 或 USB-C)至设备时，设备将自动切换至这一路最近输入的视频源并输出至显示屏。
2. 当连接一路投屏信号源(Airplay/Miracast/投屏器)至设备时，设备将自动投射这一路信号源的内容至显示屏。
3. 当移除正在播放的视频源时，设备将自动切换至最近选择或连接的有效有线信号源；如此时没有检测到有效信号源， 设备最终将输出向导屏幕图像。

向导屏幕

设备提供向导屏幕，从而为用户提供基本的操作连接指导。用户可在网页版用户界面对向导屏幕的图像进行个性化定制。

图 1 – 向导屏幕图

当切断设备与所有信号源的连接， 设备将输出向导屏幕。

注:

- 向导屏幕图可通过网页版用户界面进行自定义， 详情参见下文 Guide Screen Change 章节。
- 默认情况下，当向导屏幕持续输出的时间长达 60 秒时，输出端显示屏的中间将出现一个持续 60 秒时长的倒计时。倒计时结束后，如所连接的显示器支持 CEC 功能，显示器将进入待机状态。

OSD

本设备提供 OSD 显示功能，即在输出端显示屏上显示信号源信息、PIN 码、设备名称和 IP 地址等内容，如图 2 所示。

图 2 – OSD 示例

网页版用户界面

本设备提供专属的网页版用户界面，方便用户对设备进行快速直观的控制与设置。该网页版用户界面可通过 Chrome、Safari 、FireFox、Opera 、IE10+等浏览器(确保浏览器为最新版本)访问。

网页版用户界面登录步骤：

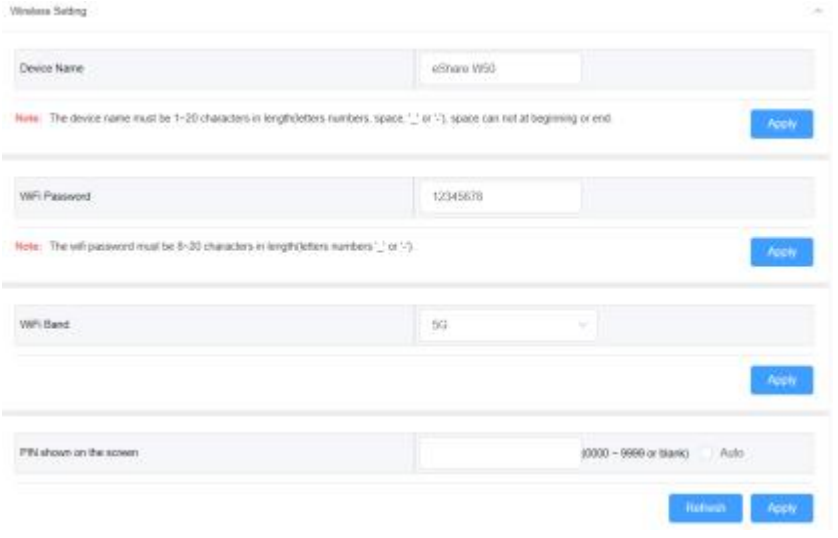
1. 连接本设备的 LAN 端口至局域网(确保该网络已部署 DHCP 服务器，且能为本设备分配有效的 IP 地址)。
2. 连接电脑到本设备所在的网络。
3. 在浏览器的地址栏输入本设备的 IP 地址， 点击回车，以下登录窗口弹出(想要快速查看设备 IP 地址，可参考OSD章节)。

4. 输入登录密码(默认密码为 admin)， 点击 Login，将进入网页界面主页。

网页版用户界面包含七个子菜单： Wireless Setting, Output Setting,

Network Setting, Web UI Logon Password, Guide Screen Change, Firmware Upgrade 以及 Version Information，用于对此设备的常用配置，如网络和 Wi-Fi 、显示屏的控制、 USB 切换、登录密码修改、向导屏幕设置、固件升级、恢复出厂设置等。

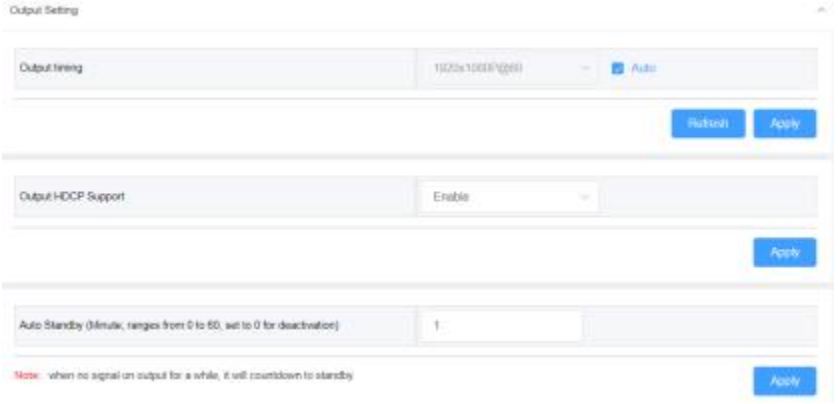
Wireless Setting



名称	描述
Device Name	用于修改设备名称 (此名称同时也是 Wi-Fi 以及设备作为 Airplay 和 Miracast 接收端的名称)。 注： 该名称必须为 1 至 20 个字符长度以内，支持字母、数字、空格、下划线”_”和连接符” -”，且空格不能位于开头和结尾。 默认设置：**eShare W50**
WiFi Password	设置 Wi-Fi 密码。 注：该密码长度必须在 8-20 个字符以内， 可由字母、数字、下划线 “_”和连接符 “-” 组成；密码不可以设置为空。 默认设置： **12345678**
WiFi Band	• 5G: 设置设备的 WiFi 频段为 5GHz • 2.4G: 设置设备的 WiFi 频段为 2.4GHz 注： 设备默认的 WiFi 信号频段为 5GHz。如您所使用的无线设备不支持 5GHz Wi-Fi ，请先设置其工作频段为

名称	描述
	2.4GHz 后再通过 Miracast 连接至此设备。
PIN shown on the screen	输入四位数字以设置 PIN 码；设置 PIN 码可防止其它设备误接入或者未经授权的访问。 **注:** • PIN 码由四位数字组成， 范围为 0000 至 9999 ；如不想设置接入码，此处可留空。 • PIN 码设置成功后， 将会显示在 OSD 信息中。 • 选择“Auto”后， 出现下列情况时，本设备将随机生成新的 PIN 码： a)设备切换至向导屏幕； b)设备重启。 默认设置：无
Apply	单击以执行设置。

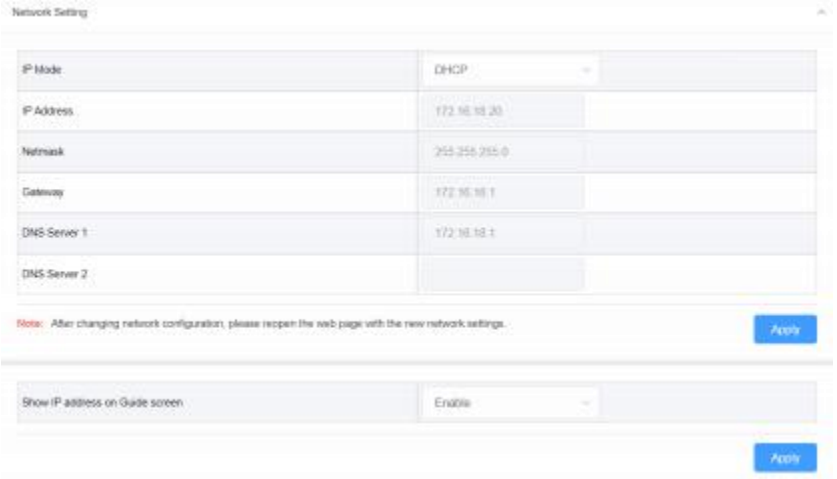
Output Setting



名称	描述
Output timing	设置输出端口的 HDMI 输出分辨率。提供如下两种设置方式: • **Auto**: 设备根据显示端的 EDID 输出显示端所支持的最大分辨率。例如， 显示端最高支持 4K@30Hz，设备则输出 4K@30Hz。 • **分辨率范围列表**: 从下拉菜单里选择目标输出分辨率，设备将输出目标分辨率。 默认设置： **Auto**
Refresh	单击此选项可刷新并显示当前的输出分辨率的信息。
Output HDCP Support	设置输出端口的 HDCP 加密状态: • **Enable**: 设置输出端口的信号为 HDCP 加密; • **Disable**: 设置输出端口的信号为 HDCP 不加密。 默认设置： **Enable**

名称	描述
Auto Standby	设置显示器开始启动待机状态倒计时之前的时长。 • 例如，设置自动待机超时为 1 分钟，当设备输出向导屏幕， 且显示器在 1 分钟内未检测到信号源输入时，开始启动待机倒计时； 倒计时结束时， 显示器自动进入待机状态。 注：如所连的显示器不支持 CEC，显示器屏幕中央将显示“Standby”字样而非进入待机状态。 • 如自动待机超时设为 0，显示器将不会进入自动待机状态。 默认设置： **1分钟**
Apply	单击以执行设置。

Network Setting



名称	描述
IP Mode	更改本设备的动态或静态 IP 地址设置。 • **DHCP**: 点击该选项， 设备的 IP 地址将通过网络中的 DHCP 服务器自动分配。 • **Static**: 点击该选项，可对设备的 IP 地址进行手动设置。 默认设置： **DHCP**
IP Address	为设备手动设置 IP 地址(当 IP 地址获取方式设为 Static 时有效)
Netmask	为设备手动设置子网掩码(当 IP 地址获取方式设为 Static 时有效)

名称	描述
Gateway	为设备手动设置网关地址以实现与不同网络互连(当 IP 地址获取方式设为 Static 时有效)
DNS Server 1	为设备手动设置域名服务器地址以确保正常上网(当 IP 地址获取方式设为 Static 时有效)
DNS Server 2	
Show IP address on Guide Screen	• **Enable:** 选择此选项，使设备的 IP 地址显示在向导屏幕上。 • **Disable:** 选择此选项，使设备的 IP 地址不显示在向导屏幕上。 默认设置： **Enable**
Apply	单击以执行设置。 注：网络设置被修改后，请关闭此页面并使用新的网络设置打开此页面。

Web UI Logon Password

名称	描述
New Password	设置用于登录网页版用户界面的登录密码。 **注**：新密码长度必须在 4- 16 个字符之间， 仅由数字、字母组成。
Confirm new password	
Apply	单击以执行设置

Guide Screen Change

- **Browse**: 点击该选项，在电脑上搜索并上传新的图像文件以便修改向导屏幕图。

  注： 请确保上传图像文件的分辨率为 1920x1080，jpg 或 jpeg 格式。
- **Apply**: 单击以执行设置。

Firmware Upgrade

名称	描述
Browse	单击以搜索本地固件升级文件
Apply	单击以上传固件升级文件至设备
Reboot	单击以重启设备
Reset to Factory Default	单击以恢复设备的所有设置至默认出厂状态。长按前面板 Reset 按钮也可实现此功能。
Export Log	单击以导出设备的工作日志(.tar.gz)至本地。

Version Information

名称	描述
Version	显示设备固件版本信息
Build Time	显示设备固件构建时的日期和时间

固件升级

本设备支持通过网页版用户界面或后面板 USB-A 端口执行固件升级操作。

通过 USB-A 端口升级固件的步骤：

1. 将固件升级文件的名称命名为“FSC610-update.zip”，确保所有字母均为小写。
2. 准备 1 个 FAT32 或 NTFS 格式的 U 盘，在根目录下创建文件名为“upgrade”的文件夹。将步骤 1 中的升级文件存放在此文件夹里。
3. 将 U 盘插入设备的 USB-A 端口，设备将开始读取 U 盘数据，读取过程耗时约 1 分钟。如检测到 U 盘内的升级文件为更新的版本，设备将启动升级操作。设备升级成功后自动重启。

注:

- 连接 U 盘至此设备前， 建议断开 USB-C 信号源与设备之间的连接(如有的话)。
- 升级过程中请勿关闭设备电源，否则可能引起设备损坏。
- 如此设备检测到 U 盘内的升级文件版本不高于当前安装版本，将不启动升级。

规格

技术	
输入视频端口	1 x USB-C In; 1 x HDMI In; 1 x LAN, 10/100/1000Mbps 以太网; 1 x WLAN
输入视频信号	• HDMI: HDMI 1.4, HDCP 1.4 • USB-C: DisplayPort 1. 1, HDCP 1.4 • LAN/WLAN: H.264
输入分辨率	**HDMI:** 640x480[8], 800x600[8], 1024x768[8], 1280x768[8], 1280x800[8], 1280x1024[8], 1360x768[8], 1366x768[8], 1440x900[8], 1400x1050[8], 1600x1200[8], 1680x1050[8], 1920x1200[8], 720x480[8] (480p), 720x576[6] (576p), 1280x720[5] (720p30), 1280x720[6] (720p50), 1280x720[8] (720p60), 1920x1080[2] (1080p24), 1920x1080[3] (1080p25), 1920x1080[5] (1080p30), 1920x1080[6] (1080p50), 1920x1080[8] (1080p60), 3840x2160[5] (2160p30) **LAN/WLAN:** 最高 1920x1080[5] (1080p30) 注: LAN 或 WLAN 所支持的最大输入分辨率根据对应的 BYOD 协议或设备可能会有所不同。 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz
输出视频端口	1 x HDMI
输出视频信号	HDMI 1.4, HDCP 1.4
输出分辨率	720x480[8] (480p60), 720x576[6] (576p60), 640x480[8], 800x600[8], 1024x768[8], 1280x1024[8], 1366x768[8], 1440x900[8], 1280x800[8], 1680x1050[8], 1920x2160[5], 1600x1200[8], 1920x1200[8], 2560x1440[5], 2560x1440[8], 1280x720[6] (720p50), 1280x720[8] (720p60), 1920x1080[6] (1080i50), 1920x1080[8] (1080i60), 1920x1080[2] (1080p24), 1920x1080[3] (1080p25), 1920x1080[5] (1080p30), 1920x1080[6] (1080p50), 1920x1080[8] (1080p60), 3840x2160[3] (2160p25), 3840x2160[5] (2160p30) 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz

音频	
输入音频接口	1 x HDMI; 1 x USB-C In; 1 x LAN; 1 x WLAN
输入音频信号	RAW PCM 2.0, 16 bit, 32/44. 1/48KHz sps
输出音频接口	1 x HDMI
输出音频信号	RAW PCM 2.0, 16 bit, 48KHz sps

Wi-Fi	
标准	IEEE 802.11 a/b/g/n/ac
频率	Dual bands, 2.4~2.4835GHz, 5.0~5.8GH
安全协议	WEP, TKIP, AES, WPA, WPA2

控制	
控制接口	1 x RJ45, 10/100/1000Mbps 以太网
控制方式	LAN (网页版用户界面)

通用	
操作温度	0°C ~ + 45°C (32 ~ + 113 °F), 10% to 90%, 无冷凝
存储温度	-20 ~ +70°C (-4 ~ + 158 °F) , 10% to 90%, 无冷凝
静电保护	人体模式: ±8kV (气隙放电)/±4kV (接触放电)
电源	12V 2A DC
功耗(最大)	19W
设备尺寸 (W x H x D)	230mm x 25mm x 142.6mm (不含天线)
产品重量	0.68kg

产品质保

本产品提供一年的零件和人工保修服务。在以下情况下，如果产品仍可补救且保修卡不可执行或不适用， AV Access 将就该产品所主张的服务收费。

1. 产品上标有的原始序列号(由 AV Access 指定)已被删除， 擦除，更换，污损或难以辨认。
2. 保修已过期。
3. 由非 AV Access 授权服务合作伙伴的人员修理，拆卸或更改产品而产生的产品缺陷。这些缺陷由以下事实造成： 未按适用的《用户手册》中的说明粗略地或不正确地使用或搬运产品。
4. 缺陷是由不可抗力引起的，包括但不限于事故， 火灾， 地震，闪电，海啸和战争。
5. 仅由销售人员承诺的服务，配置和礼品，但不包含在常规合同范围内。 AV Access 保留解释以上这些情况的权利，并随时对其进行更改，恕不另行通知。

感谢您选择 AV Access 的产品。

如有任何问题， 请通过以下邮箱联系我们：
普通咨询：info@avaccess.com
售后/技术支持： support@avaccess.com

注意事项

1. 不得打开、拆解或修理本产品。
2. 不要在炎热、寒冷、尘土飞扬或潮湿的环境下使用；请用干布擦拭该设备。
3. 尽可能地避免抛掷，严重的抛掷力可能会造成机械损坏、故障或划伤表面。

有害物质声明

根据中国《电子信息产品污染控制管理办法》

有害物质										
部件名称	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr +6)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)	邻苯二甲酸二异丁酯 (DIBP)	邻苯二甲酸二 (2- 乙基己基) 酯 (DEHP)	邻苯二甲酸二丁基酯 (DBP)	邻苯二甲酸甲苯基丁酯 (BBP)
电缆	○	○	○	○	○	○	○	○	○	○
电路板组件	○	○	○	○	○	○	○	○	○	○
塑料部件	○	○	○	○	○	○	○	○	○	○
金属部件	○	○	○	○	○	○	○	○	○	○
橡胶部件	○	○	○	○	○	○	○	○	○	○

本表格根据SJ/T 11364的规定编制

○ = 表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下。

产品保修

保修期限	
购买日期	
购买地点	
产品序列号	
商品编号	
盖章	

日期	维修情况

AV Access