Media Player EP66

Specification V1.0

Revision History

Version	Released Date	Author	Audit	Note
VI.1	2020-09-16	张林林	张波	First Issue

*This specification is made based on existing information. The actual product may be slightly different from this specification. The specific configuration information is subject to the sales contract. If you have any questions, please consult the salesperson.

Contents

1 <u>Overview</u>

1.1 Introduction

The new generation of high-definition Media Player EP60, using Rockchip RK3399 (Dual Cortex-A72 main core + Quad Cortex-A53 mini core), 6-Core 64bit processor with frequency up to 2.0GHz, DDR3 2G memory(Optional 4G),EMMC 8GB built-in storage(Optional 32 GB), to ensure the terminal's high-speed operation. Using Mali-T864 series GPU chips, support 4K, H.265 hard decoding, able to play multi-format 4K video, smooth transition without black screen, giving users ultra-clear visual enjoyment. With abundant interfaces, simple operation, stable performance and powerful functions, it is your best choice in the field of commercial display

1.2 Features

(1) Ultra-high definition and extreme color

Support 4Kx2K real-time hard decoding H.265, fine quality and clear

(2) Rich Peripheral Interfaces
- USB 3.0 *1 + USB2.0*3 + Type C*1
- HDMI output
- Support LAN, WIFI, 4G hybrid networking
- Support TF/SIM card
- Support external expansion equipment

(3) Industrial design, stable and efficient
- Industrial production in ensuring its appearance, it is to achieve the industrial quality of products.
- After rigorous testing experiments to ensure its stability and efficiency in different environment, eliminating the cumbersome after-sales troubles.

(4) Multi-level encryption algorithm, safe and reliable.
- Use end-to-end encryption technology from platform to terminal
- Data security and integrity verification
- Comparison of Digital Signatures When Various Media Files Are Issued

(5) A variety of layouts, flexible display
- Divided or Combined, it's up to you, so is the orientation, landscape or portrait. Smooth transitions without black screen.

- Freely combine Images and music, multi playmodes like Loop/Schedule/Inter cut

- Flexible to control the time period, order, frequency, etc.

- Multi screen interaction, able to display same content on different panels.

- Many plugins support displaying date, time and weather, etc.

2 Specs

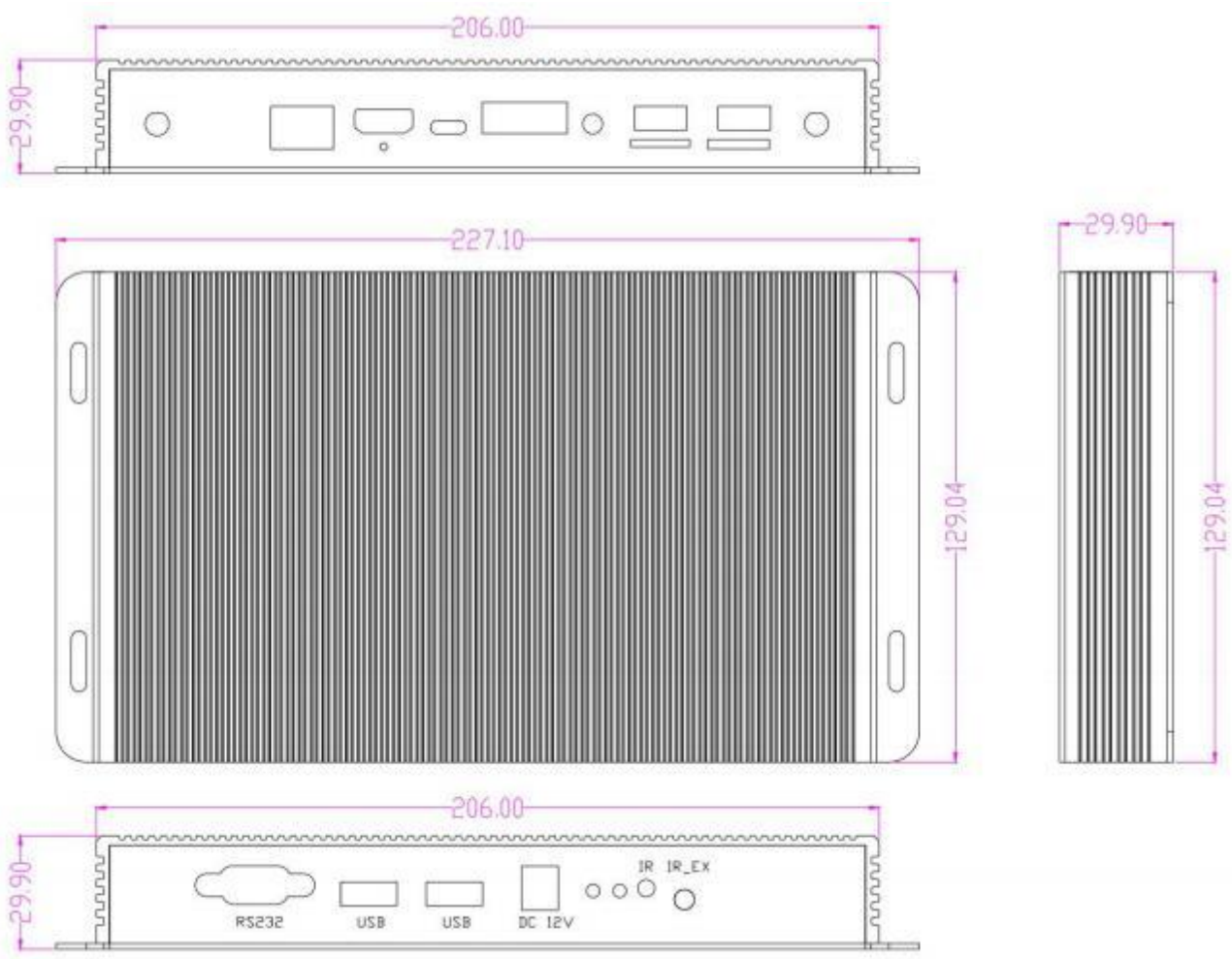|		
Main Board	OS	Android 7.1
	CPU	Rockchip RK3399 Six-core 64-bit (dual Cortex-A72 large cores + quad Cortex-A53 small cores) at 1.8GHz
	GPU	4 Core ARM Mali-T864 GPU
	RAM	LPDDR4 4GB
	ROM	eMMC 32GB Note: Support TF/USB extension
Functions	Decoding Format	Support Video format like MPEG1/MPEG2/MPEG4/H.264/WMV/MKV/TS/FLV etc Support Image Format like JPG/JPEG/BMP/PNG etc. Support Audio Format like MP3/ACC, etc
	Program Making	Support Video/Image/Subtitle/LOGO/Time/Day/Weather/Background divided area display
	Play mode	Receive media content through the network, store it locally and then loop/interlace/timer/gasket playback, etc. Playback via direct USB stick insertion. Playback by importing a USB stick.
	Smart Management	Support template customization / multiple scheduling playback / terminal real-time monitoring / remote control / permission control / multi-level approval / time-sharing download / log statistics / program production / scheduling / card making export / terminal timer switch and other functionsArrangement/Schedule On/Off
Network	LAN	Ethernet x1, RJ45, 100M/1000M
	WLAN	Wi-Fi x1,2.4G&5G, 802.11 b/g/n/ac
	4G(Optional)	Support 4G network(Optional module), MINI PCI-E 52P
Mainboard Interfaces	Video Output	HDMI * 1, HDMI Type-A, Output HDMI2.0, supports up to 4K 60Hz
	Power Port	DC×1, 5.5*2. 1/2.5mm female chassis connector, 12V
	Infrared Interface	IR_EX×1, 3.5mm, remote extension cable jack
	USB Port	USB 2.0×3 ， USB Type-A*3 USB 3.0×2 ， USB Type -A*1&USB Type-C *1 Note: USB default HOST, where one way Type-C support OTG
	Serial port	RS232×1, DB9 male socket, RS232*1
	GPIO Interface	GPIO EX×1 ， PH2.54mm8P*1
	Audio output	Headset x 1, 3.5mm headset stand, output, 1Vrms
	SIM Slot(Optional)	SIMcard slot ×1 ， Mini SIM
	TF Slot	TF card holder × 1, MicroSD, supports up to 128GB

Other Functions	RTC	RTC real time clock
	Watchdog	Built-in watchdog, automatic recovery from abnormalities
	Infrared receiver	On-board IR receiver
Size	Length*width*height	227．1*129.04*29.9mm

3 **Appearance & Size**

3.1 Appearance

3.2 Product Size

RS232   USB   USB   DC 12V   IR IR_EX

4 <u>Interfaces</u>

4.1 Interfaces in front

Name	Description
RS232	RS232 serial port
USB	USB 2.0
USB	USB 2.0
DC 12V	12 V power connector
IR	Onboard IR receiver
IR EX	3.5mm remote control extension cable jack

4.2 Interfaces at the back

Name	Description
WIFI	2.4GHz WIFI antenna
LAN	RJ45
HDMI	HDMI out
Type-C	Type-C port
GPIO EX	GPIO EX port
AUDIO	Audio line output interface
OTG	USB 3.0
SIM	SIM card socket
USB	USB 2.0 port
TF CARD	TF slot
USB	USB 3.0 port
4G	4G Antennas

5 <u>Instructions</u>

5.1 Hardware connection

1. Select the video interface.

HDMI: Connect the HDMI output of the Media Player and the HDMI display with HDMI cable.

2. Connect 12V power supply.

3. The operations are available after it enters the system.

5.2 Basic settings

1. Android Homepage,select "settings".
2. Select network.
   - Wifi:
   1) "System management", select "work mode"
   2) Selct "Wifi" option.
   - LAN: insert Network cable.
   1) "System Management", select "Work Mode".
   2) Select "LAN"
3. Set server IP。
   1) Select "Network Settings", then "Server Settings"
   2) Set connection method,server address and por

6 <u>Application scenarios</u>

6.1 Retail

EP40 player is widely used in a lot of sales scenarios, as an ad display. Like Electric Menu, Ad and posters in shopping malls

6.2 Self-service terminals

EP66 Playbox is small in size and full-featured to meet the needs of all kinds of autonomous terminals embedded. Enclosed jack, plug and play, easy to install, easy to maintain and upgrade later.

6.3 Full Color LED

The EP66 player supports full color LED display