KP2Pro

Pandora series

Version: v1.0
Release Date: October 2021
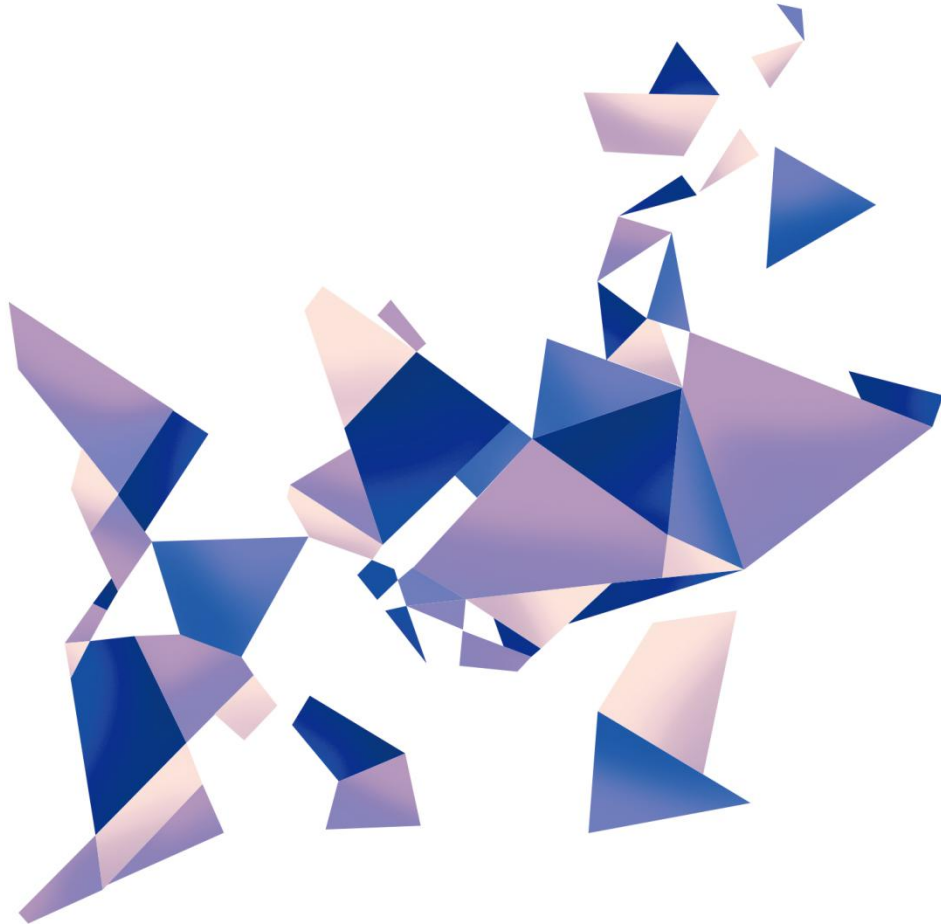
Specifications

Version record

version number	Change details	release time
V1.0	First edition released	2021.10.25

Pandora Box KP2Pro Product Specifications

Overview

KYSTAR Pandora KP2Pro is a multimedia player that integrates a sending card and a playback terminal. Compared with the traditional synchronous playback solution, it can reduce the need for a computer playback terminal and is easy to control at any time. It is small in size, powerful in performance, powerful in functions, and more. Large load capacity;

Advertisements on mirror screens, light pole screens, full-color door screens, etc.

Features

- Gigabit Ethernet port*2, single network port 650000 pixels, the whole machine carries 1.3 million pixels, the widest is 3840, the highest is 2000;
- WIFI, Ethernet port, U disk multiple communication methods
- Built-in 8GB (5G available for users), support U disk expansion
- 3.5mm audio output, audio and video synchronous output
- Support multiple windows and multiple materials to play on the screen at the same time
- Supports wireless configuration of the screen through mobile phones and computers without USB cable
- Support optional relay control, can remotely control external power switch
- Onboard brightness sensor interface, automatically adjust screen brightness according to ambient brightness
- Kystar PE program editing, drag and drop operation, do what you want
- Concise APP for full control of screen adjustment, editing and management,
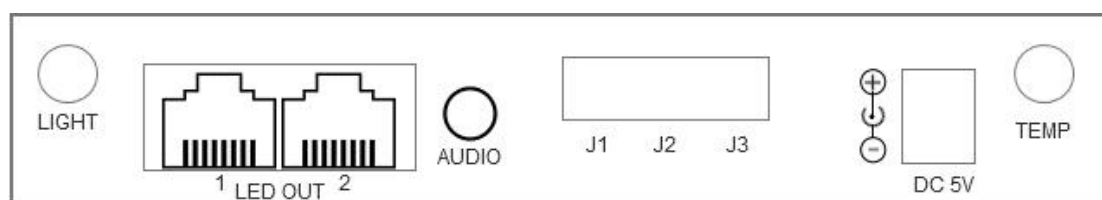
Panel description
front panel
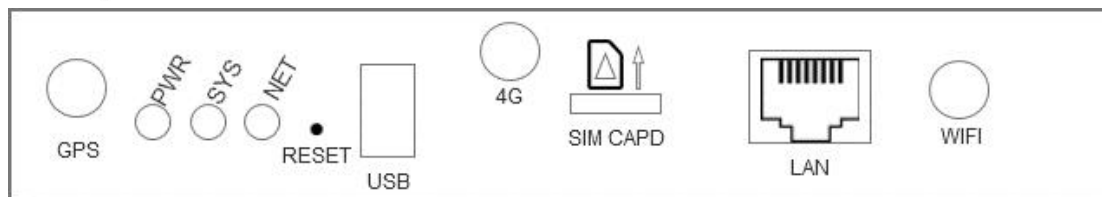
Name	Function Description
SYS	Running status indicator
	The system and app start normally, sys is always on;
	When the player app is abnormal, sys flashes, once per second
	System upgrade process, sys flashes quickly, 4 times per second
NET	connection status indicator
	The NET light is always on when Pandora is connected, otherwise it will not be on;
	When connecting to the cloud platform, NET flashes once per second;
	Upload program, NET flashes fast, 4 times per second
PWR	Power indicator, long light indicates normal power supply
RESET	Restore factory settings, always press for 5 seconds to factory
USB	USB2.0，Update program via U disk
4G	4G antenna interface
SIM	4G card slot, supports 4G cards of three major operators
LAN	100M input network port, connected to LAN, can be directly connected to PC
WIFI	Wifi antenna interface
GPS	GPS antenna interface for use in scenarios that require positioning and precise timing

Back panel

name	Function Description
LIGHT	Brightness sensor interface
TEMP	Temperature and humidity sensor interface
LAN1-2	Two gigabit output network ports, connected to the full range of kystar's receiving cards
AUDIO	3.5mm audio output
J1-J2-J3	Relay interface to control external power switch
5V DC	Provide 5V/2A power supply

Specification

External interface type	
Gigabit output network port*2	Output signal to receiving card
Audio output port*1	1/8″ (3.5mm)TRS Plug output
USB2.0*1	Storage expansion possible (U disk or SD card, maximum 128G)
100M input network port*1	Access to LAN, cluster control
WIFI antenna*1	WiFi STA+AP Dual mode, can be connected to the router, can be used as a hotspot for mobile phone, computer connection
DC Power input	DC Power input

Performance parameter	
Hardware performance	1.6GH, quad-core CPU, 3D GPU 1GB@600MHz DDR3 high-speed memory Support 1080p@60fps hard decoding playback Support 1080p@30fps hardware encoding
Storage	Built-in 8GB storage (5G available to users)
Load	One lan port load 650,000 pixel,whole machine load 1.3million pixels, the widest is 3840, the highest is 2000
Wifi Connection distance	20m（Unobstructed）

Support multimedia format	
Video format	AVI, WMV, MPG, RM/RMVB, VOB, MP4, FLV and other common video formats; Supports same time playback of multiple videos
Audio format	MPEG-1 Layer III，AAC etc.
Image Format	Support bmp、jpg、png etc.
Text form	Single line text, static text, multi-line scrolling text, office, etc.
Clock	Real-time clock, multi-regional clock display and management
OSD	Support 32bit true color OSD, can be displayed in any position, support video/graphics mixing, can superimpose graphics on the video.

Whole machine specification	
Dimensions	162×104×28mm（L×W×H）
Support receiving card	Kystar all receiving card
Number of loaded receiving cards (single network port)	200（Single network port）
Input adapter power	DC 5V/2A power supply
Working current	2A

Working Voltage	3.8V – 5.5V
Weight	378g
Operating temperature	-20℃ -70℃
Working humidity(%)	5%-95%

Attachment: equipment size chart