# KP2K Specification

## Pandora Series

Version: V2.1

Release Date: May 2025

# Revision History

| Version Number | Brief description of the revised content | Revision Date | Revisionist |
|---|---|---|---|
| V1.0 | Initial release | 2022/6/25 | Liao Yajian |
| V2.1 | Add authentication and modify document format | 2025/05/26 | Liao Yajian |

## Product Overview

Pandora Box KP2K, a new generation of cloud LCD network information distribution box launched by Kystar , supports 1080P high-definition output. Based on the powerful Kares cloud service platform, it provides web browser login device monitoring, program production and editing, cluster publishing, and multi-level permission management.

Multiple networking options, including 4G, WiFi , and wired networks, it enables rapid deployment and intelligent cloud management , enabling unified management of multiple screens, multiple services, and cross-regional operations. It supports PE for program editing and information publishing, supports multi-window layout, and supports playback of various program materials, including videos, images, text, tables, weather, and clocks. It is widely used in commercial LCD displays, such as chain store screens, advertising machines, retail store screens, and PC-free screens.

## Product Certification

FCC, CQC, CE, RoHS

## Features

- Support 1080P HD output

- Support horizontal and vertical screen switching

- WIFI, wired Ethernet port, U disk, 4G ( optional) multiple communication methods

- Built-in 8GB (4G available to users), supports USB flash drive expansion

- 3.5mm audio output, audio and video synchronous output

- Window and material playback

  - Support multiple windows and multiple materials to play on the screen at the same time

  - Supports rich media materials, such as pictures, videos, text, clocks, etc.

  - Up to 1 1080P or 3 720P video playback

- All-round control

  - Supports Kares cloud platform, hierarchical management and multi-role program release

  - new Kystar PE program editor, drag and drop operation, do what you want

  - The simple APP provides full control over screen adjustment, editing, and management, allowing you to enjoy the big screen at your fingertips.
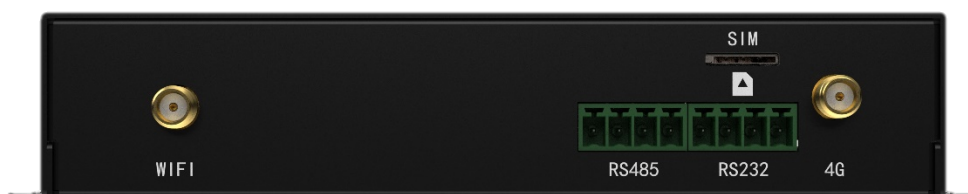
# Parameter

Front panel appearance



| Name | Functional Description |
|------|------------------------|
| LED | Indicator lights, from left to right: PWR (power indicator light), SYS ( operating status indicator light), NET ( connection status indicator light) |
| | Power indicator light , long light indicates normal power supply |
| | Operation status indicator |
| | The system and app start normally, and sys is always on; |
| | When the player app is abnormal, sys flashes once per second |
| | During the system upgrade process, sys flashes quickly, 4 times per second |
| | Connection status indicator |
| | The NET light is on when the client is connected, otherwise it is off; |
| | When connected to the cloud platform, NET flashes once per second; |
| | Upload program, NET flashes quickly, 4 times per second |
| NET | 100M input network port, access to LAN, can be directly connected to PC |
| AUDIO | 3.5mm audio output port |
| RESET | Restore factory settings, long press for 5 seconds to take effect |

| HDMI | HDMI 1.3 output |
|------|-----------------|
| 5V DC | Provides 12V/1A power supply |

Rear panel appearance



| Interface information | | |
|---|---|---|
| **Type** | **QTY** | **Specification** |
| WIFI | 1 | Wi- Fi antenna interface |
| RS485 | 1 | 485 interface, can be connected to external sensor control |
| R S232 | 1 | 232 interface, can be connected to external sensor control |
| 4G/5G (optional) | 1 | Antenna interface, supports 4G/5G cards of the three major operators |

* Due to hardware upgrades, interface differences will not be notified separately. The actual product will prevail.

# Size
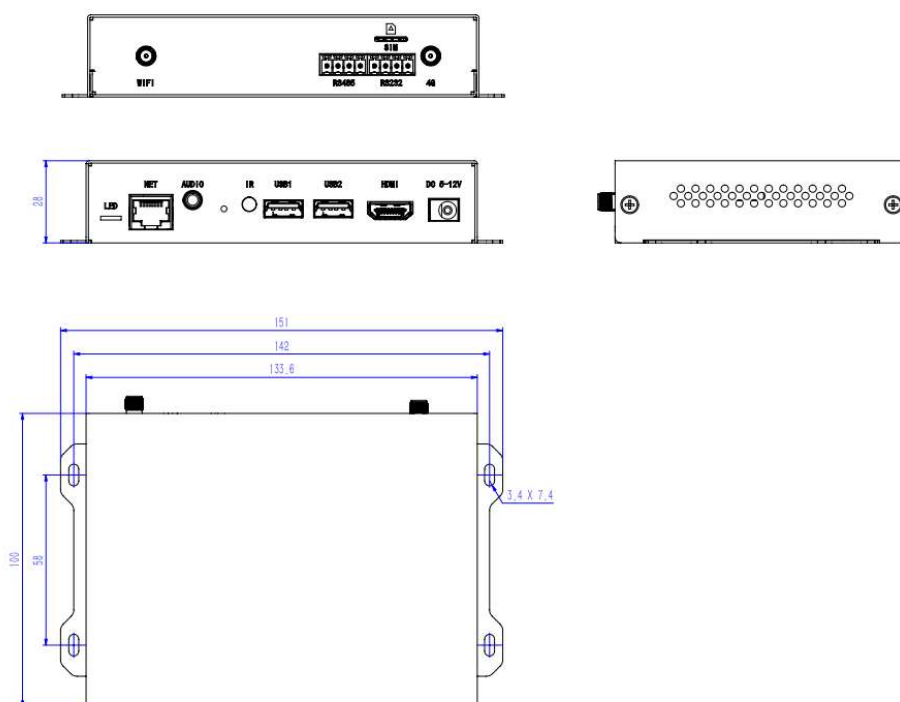


**Unit: mm**

# Specification

| External interface type | |
|---|---|
| USB2.0*2 | Storage expansion possible (U disk or SD card, maximum 128G) |
| 100M input network port *1 | Access to LAN , cluster control |
| WIFI | WiFi AP + STA dual WiFi mode , can be used as a hotspot for mobile phones and computers to connect |
| HDMI | HDMI output |
| 4G/5G | Access to WAN (L610 module needs to be purchased separately) |
| DC power input | DC 12V/1A power supply |
| **Performance parameters** | |
| Hardware performance | 1.6GHz, quad-core CPU, 3D GPU<br><br>1GB@600MHz DDR3 high-speed memory<br><br>Support 1080p@60fps hardware decoding playback<br><br>Support 1080p@30fps hardware encoding |
| Storage | Built-in 8GB storage (4G available to users) |
| Load size | 1080P output |
| Wi- Fi connection distance | 20 meters (unobstructed) |
| **Support multimedia formats** | |
| Video Format | AVI, WMV, MPG, RM/RMVB, VOB, MP4, FLV and other common video formats;<br><br>Supports multiple videos playing simultaneously |
| 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-region clock display and management |
| OSD | Supports 32-bit true color OSD, can be displayed at any position, supports video/graphics mixing, and can overlay graphics on video. |
| **Machine specifications** | |
| Dimensions | 151 x 1 00 x 28 mm (L×W×H) |
| Packing size | 332x224x45mm (L×W×H) |
| Net weight | 340g |
| Finished product weight | 560g |
| Input adapter power | DC 12V/1A power supply |
| Rated power | 10W |
| Operating temperature | -20℃ ~ 70℃ |
| Operating humidity (%) | 5% ~ 95% |
| Protection level | IP20<br><br>Please pay attention to waterproofing, do not immerse the product in water , do not let water drip into the product, etc. |

**Notes:**

1) To ensure the time storage of the control card during normal operation, please make sure that the battery on the control card is normal and not loose;

2) To ensure long-term stable operation of the system, please try to use a standard 5V power supply voltage;

3) The battery is a rechargeable battery. If the device has not been used for a long time, please power it on for a few hours. It can be used normally after it is fully charged .

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