

# Digital Signage

Movable new energy  
guide digital signage

Automotive grade lithium-ion batteries

New mobile display solution



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**winwinkiosk**  
Technology

# Traditional digital signage



## Interior decoration limits the form of equipment

- The display device is not mainly based on its own form, relying on the cloth of the initial design of the store  
The bureau considered that the store could not be set up according to the actual drainage level in the later stage  
Position and type adjustment



## Limited by fixed-point power supply

- It is difficult to introduce the drainage level at the entrance of the store, and it is necessary to use a traditional plug plate. Connected to an outlet and the connection wire is exposed, there is a safety issue
- Equipment is difficult to move and labor-intensive

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Long battery life and can be moved



## Movable new energy guide digital signage

- Long battery
- lifeAttracting people works well

# Product Description

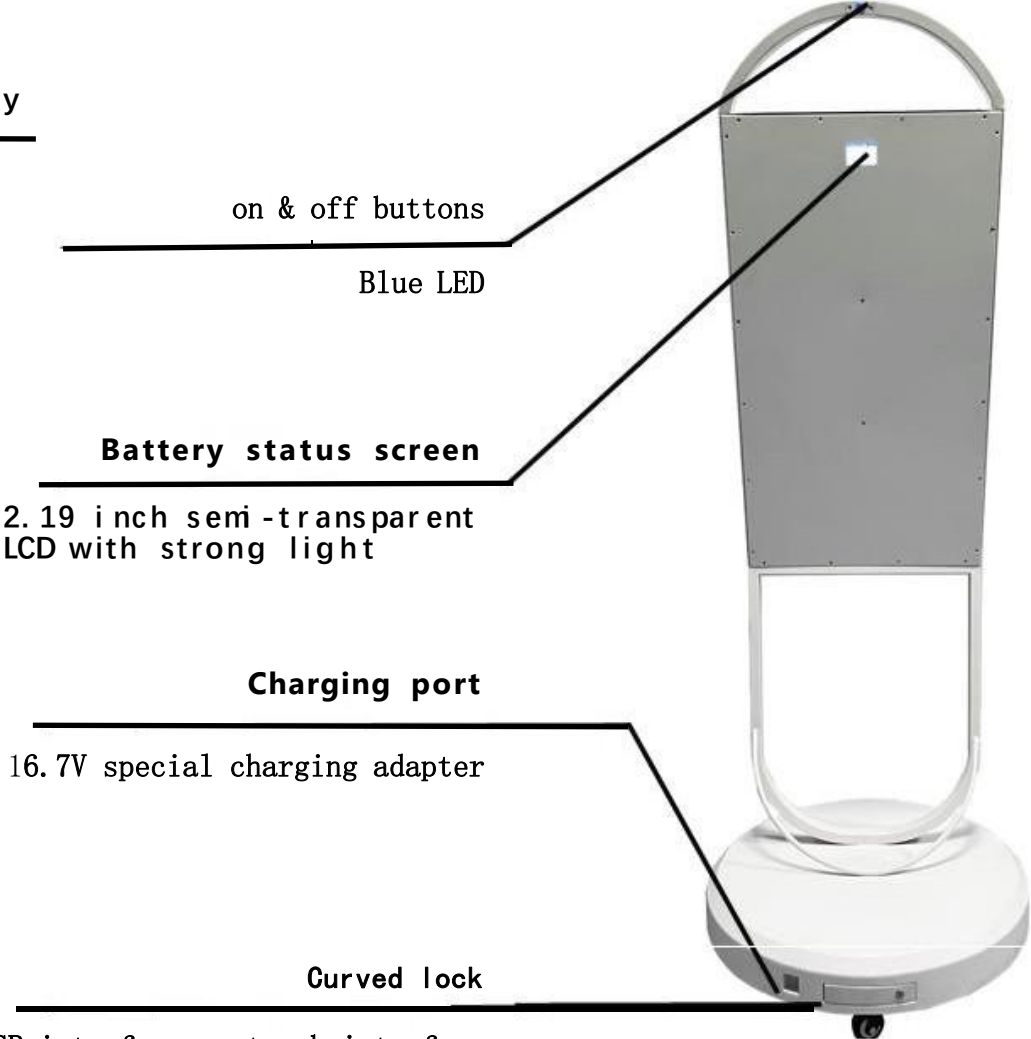


32 inch LCD HD display  
brightness: 700cd/m<sup>2</sup>

CNC round tube  
support structure

Appearance patents

High strength Fuma  
bottom wheels



on & off buttons  
Blue LED

Battery status screen

2.19 inch semi-transparent  
LCD with strong light

Charging port

16.7V special charging adapter

Curved lock

USB interface, network interface

# Product Description



## Unique design

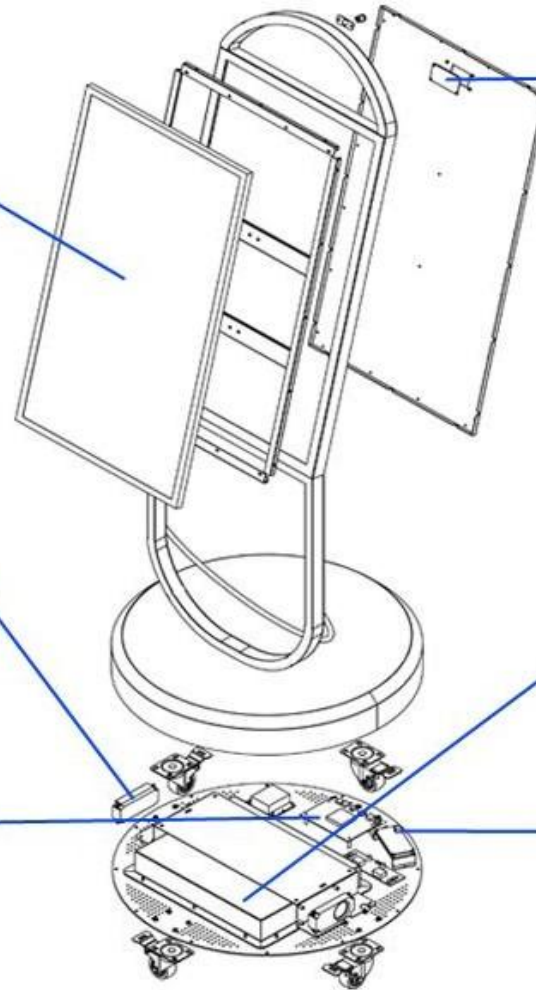
- Ergonomic visual angle, tilted 25°
- The base is precisely counterweighted, and the tumbler is slid at will
- CNC round tube support frame, showing a simple beauty
- Lockable Wheels for easy pushing or locking

# Parameter configuration

32 inch high brightness LCD display	
Size	32 inches
Brightness	700cd/m <sup>2</sup>
Physical Resolution	1920*1080
Viewing Angle	178°/178°

Horn
8ohm/5watts*2

Mainboard	
CPU	RK-3288
GPU	Mali-T764
Storage	DDR-2G EMMC-8G
Module	WIFI 2.4 BT4.1
USB external interface	USB_host*1
	USB_OTG*1
Network port	RG45



Battery status screen	
Size	2.19 inches
Brightness	300cd/m <sup>2</sup>
Physical Resolution	240*376
Viewing Angle	178°/178°

Battery pack	
Capacity	50AH
Temperature	3 collection points
Encapsulation	IP65

Charging parameters	
Current	16.7V
Voltage	1-5A

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## Battery pack introduction

# Automotive-grade battery safety escort

**Xiaopeng Automobile** with the same battery, patented technology.

To ensure safety, Built-in intelligent BMS, imported chips, integrated eight types of data active monitoring, 25 millisecond cycle sampling cycle, real-time monitoring of battery data.



- ▶ Battery pack standard reference:
- ▶ GB/T 31484-2015 《Cycle life requirements and test methods for power batteries for electric vehicles》
- ▶ GB/T 31485-2015 《Safety requirements and test methods for power batteries for electric vehicles》
- ▶ GB/T 31486-2015 《Electric performance requirements and test methods for power batteries for electric vehicles》
- ▶ Q/GX 003-2016 《Technical specifications for lithium-ion power batteries for electric vehicles》

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## Battery pack details

### Massive capacity



- Capacity 50AH
- The whole aircraft has a battery life of 14H

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### Temperature monitoring



- Three sets of sensors for temperature acquisition
- Temperature abnormalities force the disconnection of the battery input and output

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### Self-protection



- Charging completes automatically disconnects the charger input
- Low power automatically disconnects the battery output



### Data acquisition

- Charging current, voltage
- Discharge current, voltage



### Data display

- A separate screen displays battery data



### Independent control system

- The battery automatically turns off while charging
- Automatically adjusts the charging power when charging



## Battery pack details



## Automotive grade battery pack

- ▶ Adopt 2mm hardware shell package, give the whole machine a "bulletproof vest"
- ▶ IP65-rated protection to protect the power safety of the battery pack
- ▶ The energy efficiency conversion rate is 99.7%, and green electricity use eliminates low energy efficiency
- ▶ The exclusive three-stage intelligent energy storage method effectively inhibits ion overload and ensures battery life
- ▶ Unique battery control system, according to the voltage threshold, current threshold, temperature value active battery closure and disconnect management
- ▶ Battery pack made of strict reference to GB/T31484-2015 "Power Battery Cycle Life Requirements and Test Methods for Electric Vehicles", GB/T31485-2015 "Safety Requirements and Test Methods for Power Batteries for Electric Vehicles" GB/T31486-2015 "Electric Performance Requirements and Test Methods for Power Batteries for Electric Vehicles", Q/GX003-2016 "Technical Specifications for Lithium-ion Power Batteries for Electric Vehicles"

## The function of Battery status screen

### The independent small screen shows the battery state

- ▶ 2.19 inch LCD semi-transparent (visible under strong light)



### Multiple temperature collection points

- ▶ Grab The temperature of the MOS bits inside and the battery pack and the battery center and corner positions

### The screen displays real-time battery data

- ▶ Show the power supply type
- ▶ Show
- ▶ Show the charge and discharge current
- ▶ Displays the battery pack collection point temperature

### Active prevention and control mechanism

- ▶ Low battery warning and forced shutdown
- ▶ Automatically disconnect the charger and remind when charging is complete
- ▶ Temperature abnormalities automatically disconnect the battery input and output
- ▶ Abnormal voltage and current automatically disconnect the battery input and output

## Main functional features

### Movable new energy guide digital signage

#### Long-lasting battery life

- ▶ 50AH large capacity battery
- ▶ 14H battery life



#### Simple to use

- ▶ Support stand-alone, network publishing
- ▶ The equipment is installation-free and ready to use right away



#### Highlighted

- ▶ 700 brightness HD display
- ▶ The highlighted environment is visible



#### Choose your own slot

- ▶ Get rid of power supply limitations
- ▶ Independently choose the most appropriate drainage level



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THANKS

