

Specification

Product Name: 15.6" Paperless Lifting Integrated Machine

Product Model: HY-7100/15

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Production Department: Product Department

Huain (Zhuhai) Digital Technology Co., Ltd.

Catalog

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1、Product Overview

1.1 Product Image



2、Product Specifications and Parameters

2.1 Product Description

The system uses a 15.6" high-definition touch screen with an aluminum alloy frame embedded with tempered glass, featuring IPS full-angle display. It supports 1920×1080 HD resolution and includes 10-point capacitive touch and backlight adjustment functions (customizable to 4K resolution). The ultra-thin touch screen and lift mechanism are designed as an integrated unit with no exposed connection wires, no connection backplate, and no visible screws, resulting in a sleek appearance. The high-definition touch screen has an automatic power supply and power-off mode: the screen powers on automatically when lifted and powers off by itself when lowered, promoting energy efficiency and environmental sustainability. The screen supports an adjustable range of 120° , with independent control buttons for raising, pausing, and lowering to ensure the best viewing and touch angles. It supports HDMI and VGA signal inputs, with automatic signal recognition and manual switching via panel buttons. It includes a pass-through power output interface for powering connected lift terminals, reducing the need for additional power outlets and ensuring a cleaner and more organized installation.

2.2 Functional Parameters

1. 15.6" HD Touch Screen: Features an aluminum alloy frame embedded with tempered glass, with IPS full-view angle display.
2. Resolution and Touch Features: Supports 1920×1080 HD resolution, with 10-point capacitive touch and backlight adjustment functions (customizable to 4K resolution).
3. Integrated Design: The ultra-thin touch screen and lift mechanism are designed as a single unit with no exposed connection wires, backplate, or screws, ensuring a sleek appearance.
4. Automatic Power Modes: The screen automatically powers on when raised and powers off when lowered, promoting energy efficiency and environmental sustainability.
5. Compatibility: Compatible with various Windows operating systems, paired with a mini PC that is heat-efficient, low-power, fast, and fully functional.
6. Stable Lift Mechanism: Features a multi-point balanced lift control system and dual-silent rail structure for smooth, even, and steady lifting.
7. Precision Positioning: Uses digital intelligent synchronization positioning recognition technology to ensure accurate positioning, uniform speed, and smooth lifting.
8. Premium Materials: Constructed with high-quality all-aluminum and CNC precision machining, with a screen thickness of less than 7mm, making it refined, lightweight, and elegant.
9. Lightweight Design: Overall weight is about one-third of the standard, with a panel thickness of only 3mm and width of just 70mm, reducing transportation costs and minimizing pressure on conference tables.
10. Surface Treatment: Features an anodized surface with a bright finish, customizable with sandblasting, brushing, and other techniques, meeting corrosion resistance industry standards.
11. Durable Buttons: Panel buttons are made from military-grade metal, maintaining high sensitivity and responsiveness even after prolonged use.
12. Quick Power Button: Includes a computer power switch button for manual power control, protecting the device and preventing data loss or damage due to accidental operation.
13. USB Data Interface: Provides a USB port for charging devices like phones and tablets, supports USB drive data import, and connects to a mouse and keyboard.
14. Adjustable Viewing Angle: Supports a 120° adjustable range with independent control buttons

for raising, pausing, and lowering, ensuring the best viewing and touch angles.

15. Multiple Control Methods: Supports panel manual control, daisy-chain RS-232 control, software control, remote control, central control, and group control.

16. Manual Lowering Feature: Includes a manual lowering function for power-off/stopped states, allowing the screen to be lowered to the minimum position manually.

17. Safety Mechanisms: Features a detachable safety device with multiple protection functions including limit, leakage, overload, current limiting, and constant speed to ensure system safety and reliability.

18. Signal Input: Supports HDMI and VGA signal inputs with automatic signal recognition and manual switching via panel buttons.

19. Signal Detection: Automatically recognizes a single signal input, allows manual switching between two signals, and enters power-saving mode when no signal is detected.

20. Pass-Through Power Interface: Includes a pass-through power output for powering connected lift terminals, reducing the need for additional power outlets and ensuring a cleaner installation.

21. Static Isolation Technology: Uses advanced electrostatic isolation technology to prevent static buildup, even in dry environments.

22. Universal Power Supply: Built-in AC100V~240V international power supply with voltage regulation to ensure safe and stable operation under unstable voltage conditions.

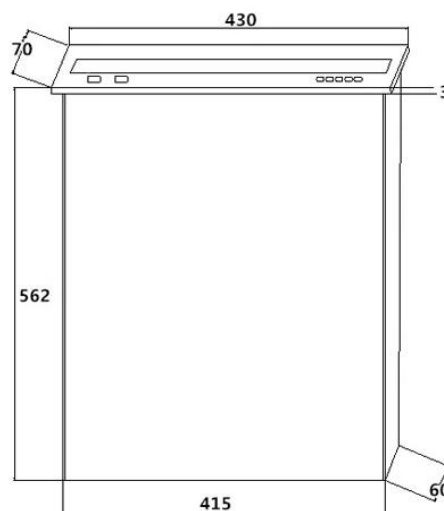
2.3 Technical Parameters

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|----------------------|---------------------|
| Working Power Supply | AC100V~240V 50/60Hz |
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| Power Consumption | 28W |
| Screen Size | 15.6" (34.2×19.5mm) |
| Aspect Ratio | 16:9 |
| Display Resolution | 1920×1080 |

| | |
|-------------------|---|
| Contrast Ratio | 600:1 |
| Brightness | 300cd/m ² |
| Screen Thickness | <7mm |
| Backlight Type | WLED, 15,000 hours, including LED driver |
| Viewing Angle | IPS Full Viewing Angle |
| Touchscreen Type | 10-point Capacitive Touchscreen |
| Video Input | HDMI, VGA Interfaces |
| Lift Control | Manual, Remote, Software, Group, Central Control RS-232/485 |
| Control Interface | Dual RJ45, Power On/Off, Data Transmission Interfaces |
| Lift Time | 28S |
| Material | Full Aluminum Alloy |
| Craftsmanship | CNC Precision Machining, Anodized |

3、Product Introduction

3.1 Cutout Dimensions



3.2 System Connection Diagram

