

**HF-ITP65-0464**



## Product Features

- ≥ Perfect 4K resolution
- ≥ Industrial grade aluminum frame
- ≥ 3mm protect glass and anti-scratch
- ≥ Front audio stereophonic speaker
- ≥ 20 points touch, <5~8ms response
- ≥ Multiple signal input HDMI, VGA, Video, YPbPr, TV etc.
- ≥ Password / Pattern Lock protected
- ≥ Infrared touch technology for rich writing experience
- ≥ Support APK install & authorize management, permit or forbidden application



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# 65 INCH 4K SMART BOARD

- 450cd/m2 high brightness
- Industrial Grade Aluminum Frame
- 16.7M true Color



Smart Board is an amazing interactive smart display that is combined by touch, Monitor, Computer, Android Pad.



PROJECTOR  
E-BOARD



CAMERA



TV



COMPUTER



LAPTOP



MOBILE



Android OS or  
Windows OS



16W\*2  
Speakers



50,000hrs  
Life LED



HDMI/VGA  
signal input



178°  
view angle



5-8ms  
response

ONE SMART BOARD PRODUCT IN MULTIPLE APPLICATION



3MM THICKNESS



**NO SCRATCH**

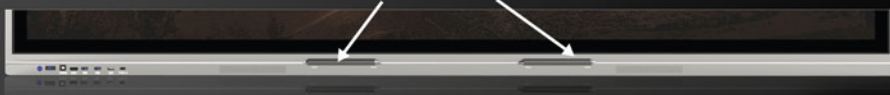


**EXPLOSION PROOF**

Morse 7 toughened glass protect LCD screen

## MAGNETIC PEN HOLD POSITION

2 Magnetic Pen Holding Position



1mm Writing Height &  
1mm Writing Accuracy

1mm Height



## ANTI-GLARE DISPLAY



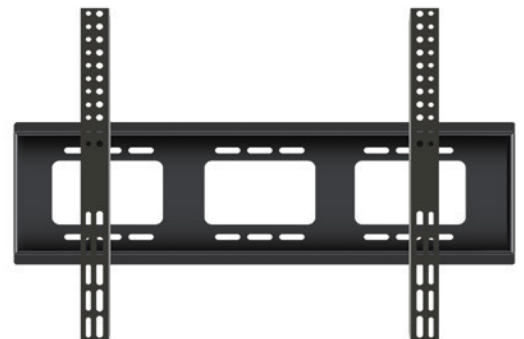
**Others**



**Hi-Focus**

## DEFAULT ACCESSORIES

- 2 tips Magnetic Pen
- Wall Bracket



## Specifications:

### DISPLAY

|                            |  |
|----------------------------|--|
| Screen Size and Resolution | 65" 4K/3840*2160                       |
| Bonding Technology         | Zero Bonding                           |
| Display Orientation        | Landscape (Portrait display option)    |
| Screen Type                | TFT LCD(Direct-LED Backlight)          |
| Blue Light Reduction       | Yes                                    |
| Bonded Glass               | Yes                                    |
| Aspect Ratio               | 16:9                                   |
| Display Area               | 65" 4K: 1429 x 804 mm (56.3 x 31.7 in) |
| LCD Viewing Angle          | 178°                                   |
| LCD Response Time          | 8ms                                    |
| LCD Refresh Rate(Panel)    | 60Hz                                   |
| LED Lifespan               | 50,000hours                            |
| Contrast Ratio             | 5000:1 Dynamic, 1200:1 Static          |
| Brightness                 | ≥350cd/m <sup>2</sup> ±5%              |
| Ambient Light Sensor       | Yes                                    |
| Glass Hardness             | 9H(pencil),7(Mohs)                     |
| Glass Type                 | Heat tempered, Anti-Glare              |

### INTERACTIVITY

|                                |   |
|--------------------------------|---|
| Touch Technology               | Infrared Touch                          |
| Touch Method                   | Finger & Stylus                         |
| Vellum Touch Technology        | Yes                                     |
| Continuous Touch Points        | 20Points(Android), 40Points(Windows)    |
| Touch Resolution               | 32768*32768px                           |
| Response Time                  | ≤5ms                                    |
| Touch Accuracy                 | ≥1mm                                    |
| Tracking Rate                  | ≥4m/s                                   |
| Scan Rate                      | 200Hz                                   |
| Gestures and Edge Swipes       | Android and Windows supported           |
| Eraser Included (Block Eraser) | Yes                                     |
| Smart Pen                      | Option, Support Smart Pen at Windows OS |





|                               |   |
|-------------------------------|---|
| Pen and Touch Differentiation | Yes   |
| Palm Erase                    | Yes   |
| Palm Rejection                | Yes, Writing and non-writing hand   |
| Pens Included                 | Yes, 2pcs Aluminum Magnetic Stylus  |
| Pen Type                      | Battery-less pen  |
| Pen Holder                    | 2 pen slots at down bezel of IFPD(1 pen slot on 55")  |
| Pen Tip Diameter              | ≥2mm(Fine Pen Tip), ≥7mm(Thick Pen Tip)   |
| Classroom Essential Apps      | Including Whiteboard, Annotate, Timer, Calculator, Split Screen, Record, Spinner, Screen Capture, Screen Record, Screen Share, Browser, PDF reader, Media Player, Screen Cast, etc. |
| Compatibility                 | Windows 7 to 11; Mac Os 10.8 to 10.11:MAC Os Sierra 10.12.1 or later; Linux Ubuntu 20.04 LTS; Chrome OS   |

## COMPUTING

|                        |   |
|------------------------|---|
| Operating System       | Android 11  |
| RAM                    | Default 4G (8G Optional)  |
| Internal Storage       | Default 64G   |
| CPU                    | AMlogic T982, Quad core ARM Cortex-A55 CPU, 1.9 GHz   |
| GPU                    | Mali-G52 MP2(2EE)   |
| OSD Language           | English, Arabic, Spanish, French, Italian, Japanese, Portuguese, Russian, etc   |
| Video/Picture Decoding | <ul style="list-style-type: none"> <li>- AV1 MP-10@L6.0/5.1 up to 8Kx4K@30fps or 4Kx2K@60fps</li> <li>- H.265 HEVC MP-10@L5.1 up to 8Kx4K@30fps or 4Kx2K@60fps</li> <li>- VP9 Profile 2 up to 8Kx4K@30fps or 4Kx2K@60fps</li> <li>- AVS2 MP up to 4Kx2K@60fps</li> <li>- H.264 AVC HP@L5.1 up to 4Kx2K@30fps</li> <li>- H.264 MVC up to 1080P@60fps</li> <li>- MPEG-4 ASP@L5 up to 1080P@60fps (ISO-14496)</li> <li>- WMV/VC-1 SP/MP/AP up to 1080P@60fps</li> <li>- AVS-P16(AVS+) /AVS-P2 JiZhun Profile up to 1080P@60fps</li> <li>- MPEG-2 MP/HL up to 1080P@60fps (ISO-13818)</li> <li>- MPEG-1 MP/HL up to 1080P@60fps (ISO-11172)</li> <li>- Multiple language and multiple format sub-title video support</li> </ul> |



Video/Picture Decoding

- MJPEG and JPEG unlimited pixel resolution decoding (ISO/IEC-10918)
- Supports JPEG thumbnail, scaling, rotation and transition effects
- Supports \*.mkv, \*.wmv, \*.mpg, \*.mpeg, \*.dat, \*.avi, \*.mov, \*.iso, \*.mp4 and \*.jpg file formats

Video/Picture Encoding

- Independent JPEG and H.264 encoder with configurable performance/bit-rate
- JPEG image encoding
- H.264 video encoding up to 1080P@30fps with low latency

## AUDIO & CAMERA

|                            |   |
|----------------------------|---|
| Dual Front-facing Speakers | 65" 4K: 2 x 16W   |
| Subwoofer                  | No  |
| Microphone Array           | Option(8 x Microphone array)  |
| Inbuilt Camera             | Option 1- inbuilt a 13Mega camera<br>Option 2- inbuilt a 48Mega camera with AI features<br>(face tracing and voice tracing) |

## NETWORK

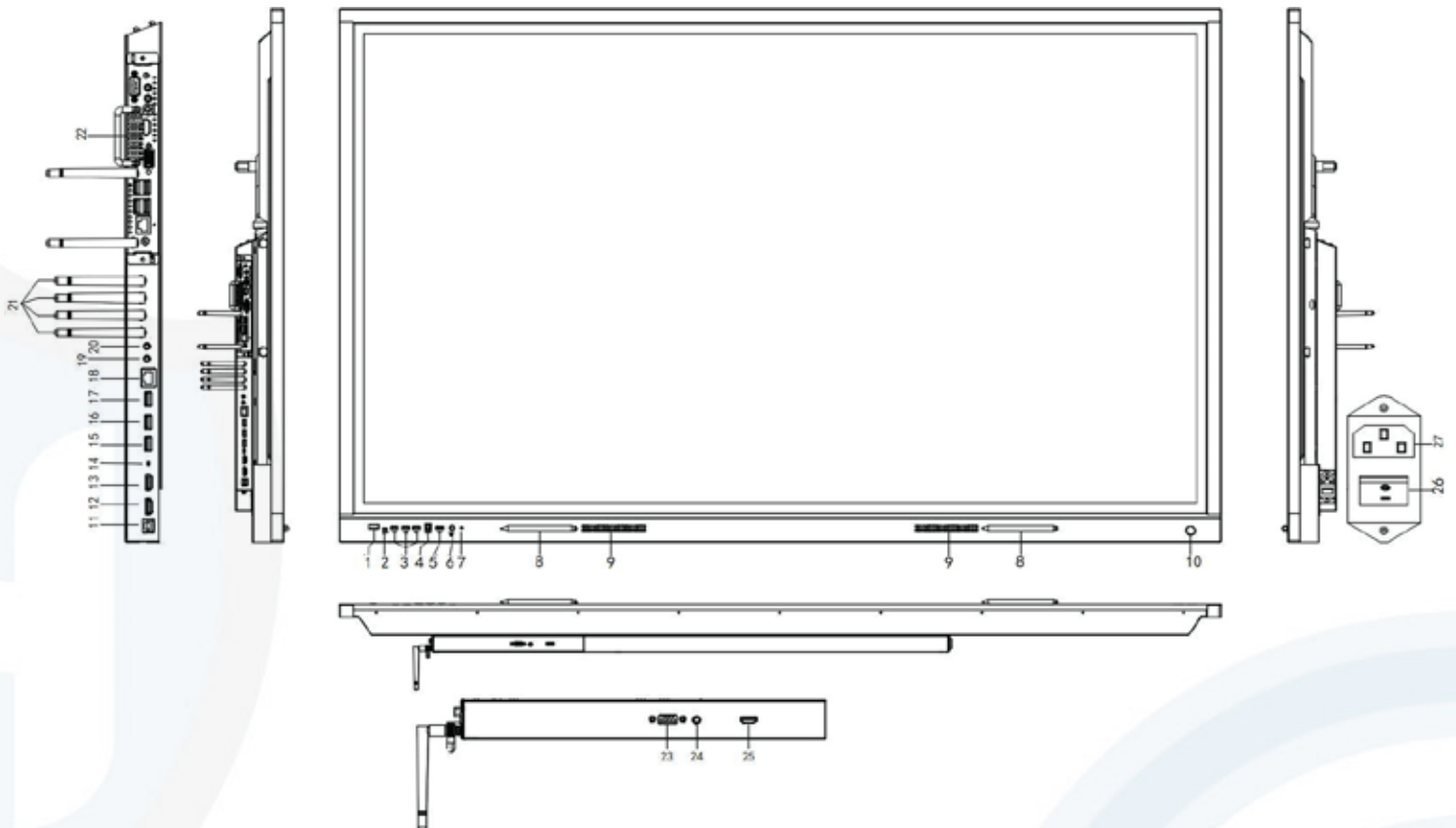
|               |                              |
|---------------|------------------------------|
| LAN in(RJ45)  | 10/100Mbps                   |
| LAN out(RJ45) | No                           |
| Wake-on-LAN   | Yes                          |
| Wi-Fi(Client) | IEEE 802.11a/b/g/n, 2.4G, 5G |
| Bluetooth     | 5.0version                   |

## CONNECTIVITY

|                          |                             |
|--------------------------|-----------------------------|
| HDMI in(rear)            | 2 x HDMI 2.1version         |
| HDMI out(rear)           | Option(1 x HDMI 2.1version) |
| RS-232                   | 1                           |
| Line Out/Earphone(3.5mm) | 1                           |
| SPDIF/Optical            | 1                           |
| Line in/Mic in(3.5mm)    | 1                           |
| USB-B 2.0(rear)          | 2                           |
| USB-B 3.0(rear)          | 1                           |



|                         |                                 |
|-------------------------|---------------------------------|
| USB-C 3.2(Type-C,rear)  | 1                               |
| USB-A 2.0(Touch,rear)   | 1                               |
| HDMI in(Front)          | 1 x HDMI 2.1version             |
| USB-B 2.0(Front)        | 3(Both work on Android and OPS) |
| USB-C 2.0(Type-C,Front) | 1(Work as USB 2.0)              |
| USB-A 2.0(Touch,Front)  | 1                               |
| Light Sensor            | Yes                             |



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|    |                       |   |
|----|-----------------------|---|
| 1  | Remote sensor and LED | Receiving infrared signal of remote controller.<br>LED status of IFPD, Blue is working, Red is standby.                                   |
| 2  | Type-C                | Connecting USB-C cable, working as USB 2.0  |
| 3  | USB-B 2.0 port        | Connecting both Android and OPS system, working as USB 2.0  |
| 4  | USB-A(Touch)          | Connecting a USB(A-B) cable from computer/laptop, then the users can touch control computer/laptop on IFPD screen.                        |
| 5  | HDMI in(2.1verstion)  | HDMI input port, 2.1 version.   |
| 6  | Touch Lock            | One Key Press to lock or unlock the touch feature of IFPD   |
| 7  | Light sensor          | Detecting environment light and auto adjusting display brightness.<br>Enable the light sensor in settings menu.                           |
| 8  | Pen Position          | 2 Pen position of magnetic pen  |
| 9  | Speaker               | Front facing speaker, 2*16W   |
| 10 | Power On/Off button   | One key power on/off or standby button<br>(Note: the position of On/Off button can be any position)                                       |
| 11 | USB-A port(Touch)     | Connecting a USB(A-B) cable from computer/laptop, then the users can touch control computer/laptop on IFPD screen.                        |
| 12 | HDMI input            | HDMI 2.1 version input port   |
| 13 | HDMI input            | HDMI 2.1 version input port   |
| 14 | Type-C/USB OTG        | Default is HOST mode. Switching the working mode between Device or HOST mode in setting.  |
| 15 | USB 3.0 port          | Connecting both Android system, For USB devices, like keyboard, mouse, USB storage etc.   |
| 16 | USB 2.0 port          | Connecting both Android system, For USB devices, like keyboard, mouse, USB storage etc.   |
| 17 | USB 2.0 port          | Connecting both Android system, For USB devices, like keyboard, mouse, USB storage etc.   |
| 18 | LAN port              | Connecting LAN by RJ45 port   |
| 19 | Line out/Earphone     | Connecting earphone or audio device   |
| 20 | Line in/Mic in        | Connecting Microphone input device  |
| 21 | Antenna               | WiFi 2.4G/5G, Hotspot, Bluetooth Antenna  |
| 22 | OPS slot              | Connecting OPS computer to IFPD. OPS can install windows or Linux OS, suit for the height of 30~42mm OPS, international 80pins interface. |
| 23 | RS232                 | Connecting RS232 cable, Communication with IFPD from 3rd party devices.   |
| 24 | SPDIF/COAX out        | Digital SPDIF/Coaxial audio signal out.   |
| 25 | HDMI out(option)      | HDMI 2.1 version output port  |
| 26 | AC switch             | AC power on/off switch button.  |
| 27 | AC socket             | 110~240V AC power input socket  |



## PANEL MANAGEMENT

|   |   |
|---|---|
| OTA Updates                                   | Yes   |
| MDM (Option)<br>(Multiple Display Management) | <ul style="list-style-type: none"> <li>≥ IFPD information (IFPD Location, IP,MAC, Operation System version, Specification etc.)</li> <li>≥ User management</li> <li>≥ IFPD Device management(Power on/off, Screen Lock, Sent Message, Program work flow, Setting Parameters, Install/Uninstall APK, Upgrade firmware etc)</li> <li>≥ Running log</li> <li>≥ Group management</li> </ul> |

## PHYSICAL SPECIFICATIONS

|                              |                               |
|------------------------------|-------------------------------|
| Handle                       | 65" 4K: 2                     |
| Panel Net Weight(Kg)         | 65" 4K: 36±0.5                |
| Packed Weight(Kg)            | 65" 4K: 42.5±0.5              |
| Panel Dimensions(W*H*D)(mm)  | 65" 4K: 1490.8 x 892.2 x 89.6 |
| Packed Dimensions(W*H*D)(mm) | 65" 4K: 1610 x 200 x 1020     |
| VESA Mount Point(mm)         | 65" 4K: 400 x 300             |

## POWER

|                               |                             |
|-------------------------------|-----------------------------|
| Power Requirements            | 100V~240V AC, 50/60Hz       |
| Energy Star Power Consumption | 65" 4K: ≤120W (without OPS) |
| Power Consumption(Standby)    | ≤0.5W                       |
| Ultra-Quiet Fanless Design    | Yes                         |

## ENVIRONMENTAL

|                       |                                    |
|-----------------------|------------------------------------|
| Operating Temperature | 0°C to 40°C(32°F to 104°F)         |
| Storage Temperature   | -15° to 55°C(-5°F to 131°F)        |
| Operating Humidity    | 20% to 80% non-condensing humidity |
| Storage Humidity      | 20% to 90% non-condensing humidity |

## COMPLIANCE & CERTIFICATION

|                           |                              |
|---------------------------|------------------------------|
| Regulatory Certifications | CCC, CE,FCC,CB,BIS,CNAS,RoHS |
| Enterprise Qualification  | ISO9001,SGS                  |



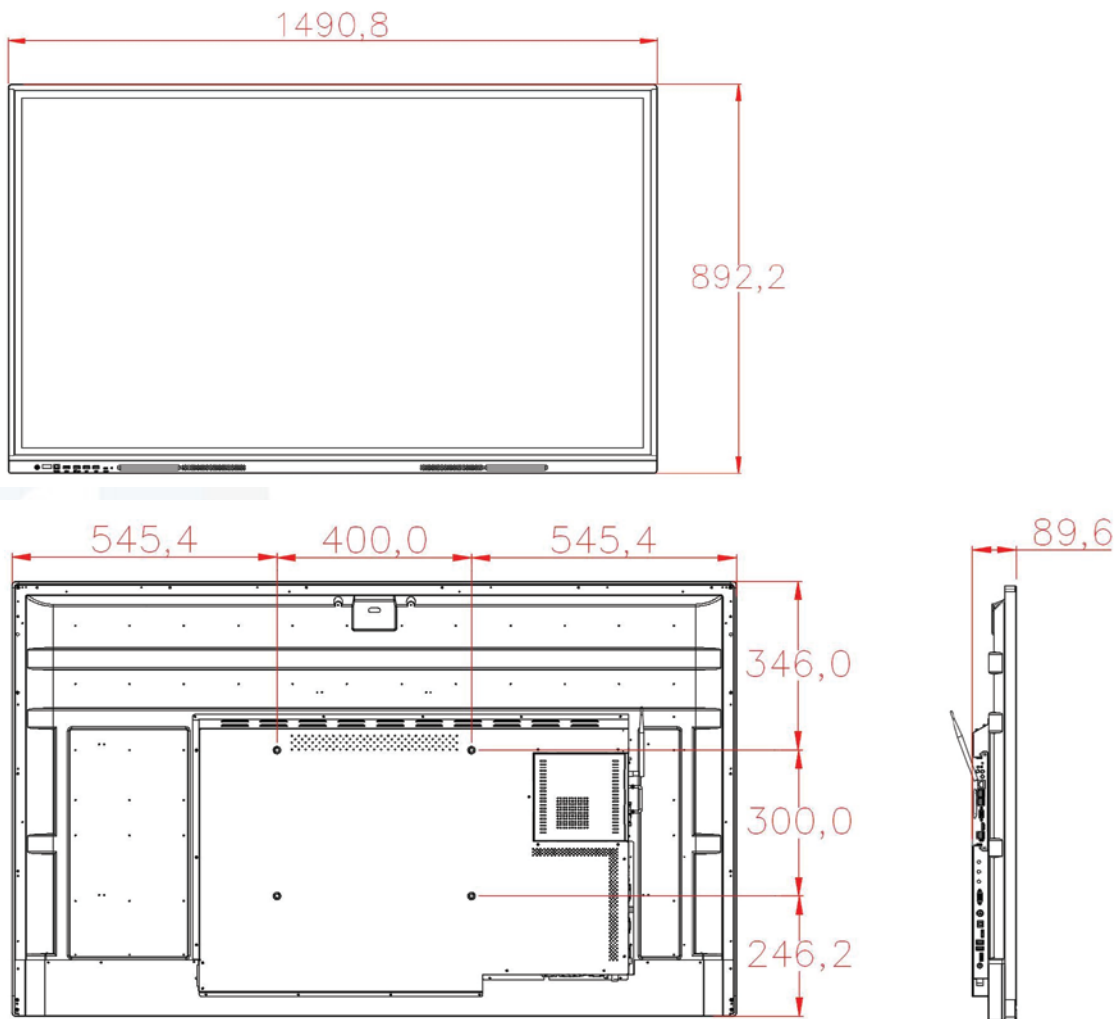
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## PACKED CONTENTS

|                   |  |
|-------------------|--|
| What's in the Box | <ul style="list-style-type: none"> <li>1 x IFPD panel</li> <li>1 x Remote Controller</li> <li>1 x Wall Mount Bracket</li> <li>2 x Stylus</li> <li>1x 3 m Length HDMI Cable</li> <li>1 x User Manual</li> <li>1 x 1.8 m Regional Power Cable</li> </ul> |
| Option            | <ul style="list-style-type: none"> <li>USB cable(A-B)</li> <li>USB-C cable</li> </ul>  |

## TECHNICAL DRAWINGS: 65"

(Unit:mm)



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