New hassle-free smart control panel for your home

The akubela HyPanel Ultra, a 10.36-inch smart home control center featuring a high-definition 2000 × 1200 resolution screen with ultra-slim bezels. Its minimalist metal exterior seamlessly integrates high-end aesthetics, delivering a visually stunning experience. Powered by Android 12, it supports various smart home control apps and achieves seamless integration between third-party apps and the original interface. It also boasts built-in sensors for temperature, humidity, proximity, light, enhancing data collection and analysis capabilities. It is designed to bring whole-house smart automation, providing an outstanding user experience.

At a Glance

- 10.36 inch touch screen with metal frame

- 2K(2000×1200) UHD display

- Built in with 2 channels dry contact, 8 digital inputs, RS485 port, PoE+

- Multi networks supported: Wi-Fi 6, Bluetooth 5.0, ZigBee 3.0, etc.

- Built in with multiple sensors

- Android 12 OS

- Intercom, ZigBee gateway and smart home control panel in one device

- Compatible with various third-party devices and platforms

Basic Information

- Model Number: PH81-PoE-ST

- Power Supply: IEEE802.3at PoE & 12-24VDC

- Digital Input: 8 gang, 0-5VDC

- Dry Contact Output:

    2 gang, 0-30VDC, rated current: 2A

    Wire gauge: 0.08 ~ 0.5mm^2(28 ~ 20AWG)

- RS485 Port: Supported

- Operation System: Android 12

- RAM/ROM: 4GB/32GB

- Wi-Fi: WiFi6, @2.4GHz/5GHz

- Bluetooth: Bluetooth 5.0

- Ethernet Port: 1xRJ45, 10/100Mbps adaptive

- ZigBee: ZigBee 3.0

- ZigBee Sub-Device Limit: 128

- Microphone: Dual microphones, -26dBFS

- Speaker: Dual speakers, 4Ω/2W

Appearance

- Material: Metal frame

- Screen: 10.36" multi-touch screen

- Screen Resolution: 2000×1200 pixels

- Screen Brightness: 360 cd/㎡

Sensors Built In

- Proximity Sensor: 30~60cm

- Light Sensor: Low-level lux detection

- Temperature Sensor: ±1℃，range：-10℃~50℃

- Humidity Sensor: ±5%，range：10%~90%RH, without condensation

- Working Temperature: -10℃~50℃

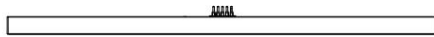- Storage Temperature: -20℃~70℃

Installation

- Installation: Wall flush mounting

- Flush Mounted Module: EU/UK/US standard

Working Environment

- Environment: For indoor use only

- Working Humidity: 10%~90%RH, without condensation
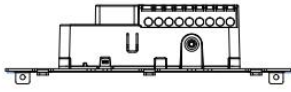
Product Dimension Diagram (mm)

⑤ BOTTOM VIEW

245.0

155.8

10.0

15.9
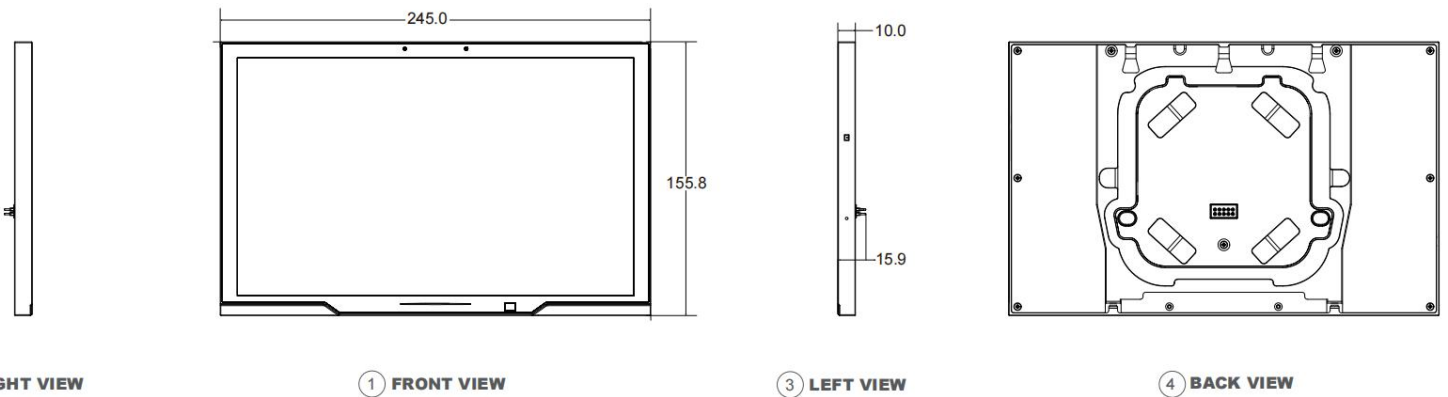
② RIGHT VIEW

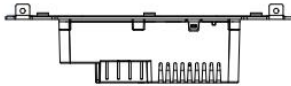① FRONT VIEW

③ LEFT VIEW

④ BACK VIEW

⑥ TOP VIEW

⑤ **BOTTOM VIEW**

143.0

46.0(US)

83.5(US)

60.0(EU) 146.5

72.0(EU)

132.0(EU)

32.7

55.5

90.0
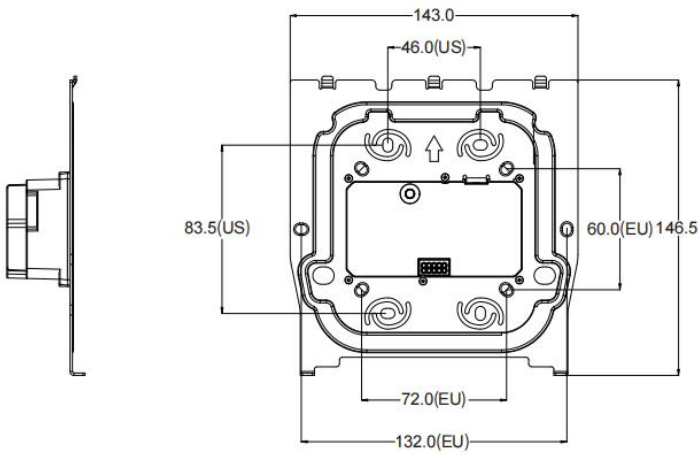
③ **LEFT VIEW**   ① **FRONT VIEW**   ② **RIGHT VIEW**   ④ **BACK VIEW**

⑥ **TOP VIEW**