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 ac hieves seamless integration between third-party apps and the original interface. It also boasts built-in sensors for tem perature, 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 6 channels dry contact, 8 digital inputs, RS485 port**
- **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-ST
- Power Supply: 12-24VDC
- Digital Input: 8 gang(dry contact input)
  0-5VDC, rated current: <100mA
- Dry Contact Output:
  4 gang, 100 ~ 240VAC, rated current: 3A
  Wire Range: 1.5 ~ 2.5mm^2(15 ~ 13AWG)
  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

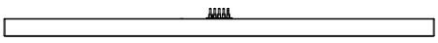
Working Environment

- Environment: For indoor use only
- Working Humidity: 10%~90%RH, without condensation
- Working Temperature: -10℃~50℃
- Storage Temperature: -20℃~70℃
- IP Rating: IP20

Installation

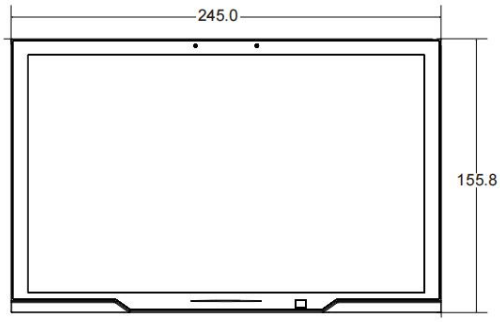
- Installation: Wall flush mounting
- Flush Mounted Module: EU/UK/US standard

Product Dimension Diagram (mm)

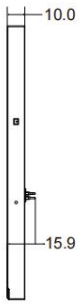


5 BOTTOM VIEW

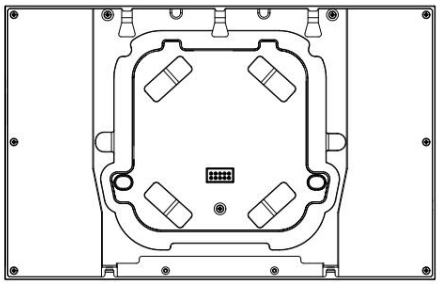
2 RIGHT VIEW



1 FRONT VIEW

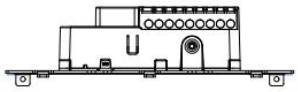


3 LEFT VIEW



4 BACK VIEW

6 TOP VIEW



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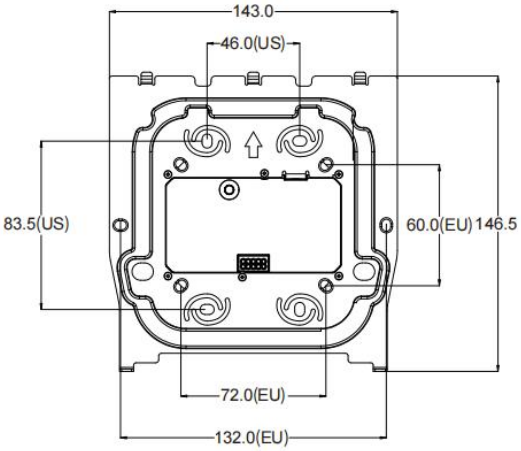

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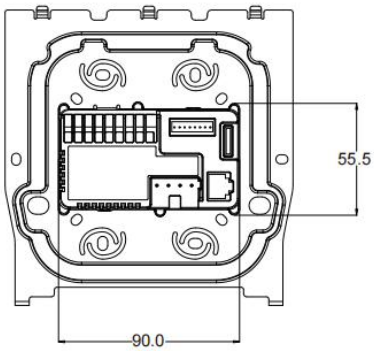

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