HyPanel Supreme

Datasheet

New hassle-free smart control panel for your home

The akubela HyPanel Supreme, a 12.35-inch smart home control center featuring a high-definition 2560 × 1600 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, gesture recognition, light, enhancing data collection and analysis capabilities. It is designed to bring whole-house smart automation, providing an outstanding user experience.

At a Glance

- **12.35 inch touchscreen with metal frame**
- **2.5K(2560×1600) UHD display**
- **Built in with 2 channels dry contact, 8 dry contact 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: PHX1-PoE-ST
- Power Supply: IEEE802.3at PoE & 12-24VDC
- Dry Contact 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
- Camera: 5-megapixel camera with privacy shutter

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Appearance

- Material: Metal frame
- Screen: 12.35” multi-touch screen
- Screen Resolution: 2560×1600 pixels
- Screen Brightness: 400 cd/㎡

Sensors Built In

- Gesture Recognition Sensor: Support
- Proximity Sensor: 30~100cm
- 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

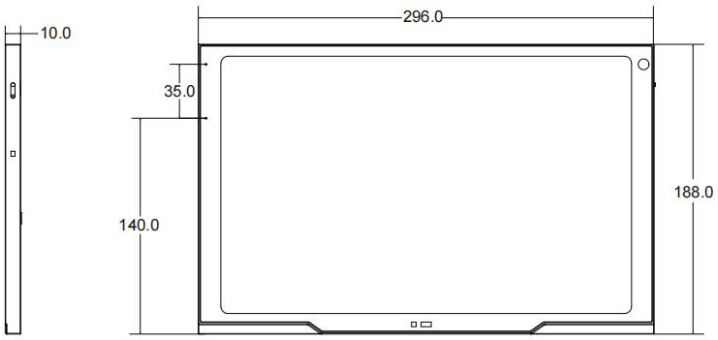
Installation

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

Product Dimension Diagram (mm)



5 BOTTOM VIEW

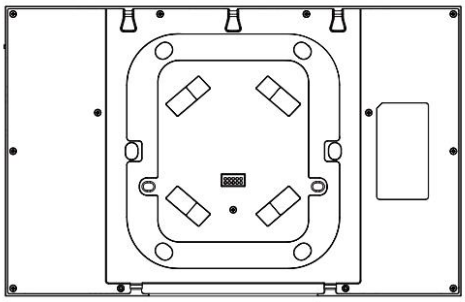


2 RIGHT VIEW

1 FRONT VIEW



3 LEFT VIEW



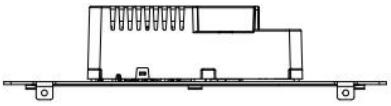
4 BACK VIEW



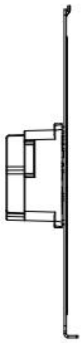
6 TOP VIEW

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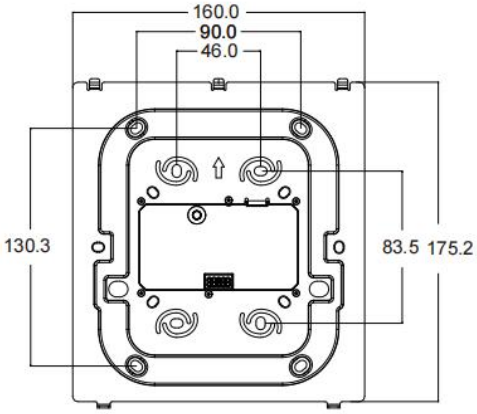
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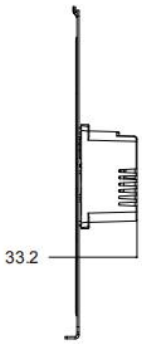
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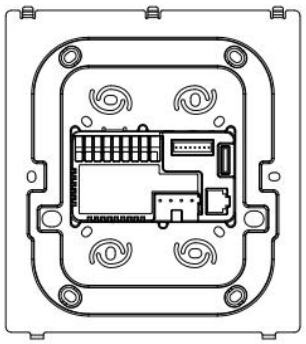
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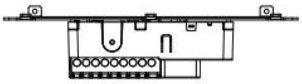
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2 RIGHT VIEW



4 BACK VIEW



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