

10.1" Smart Touch(D version) Datasheet

Applicable Model:
LY/ZP10161F22

KNX International Standard Home and Building Control System

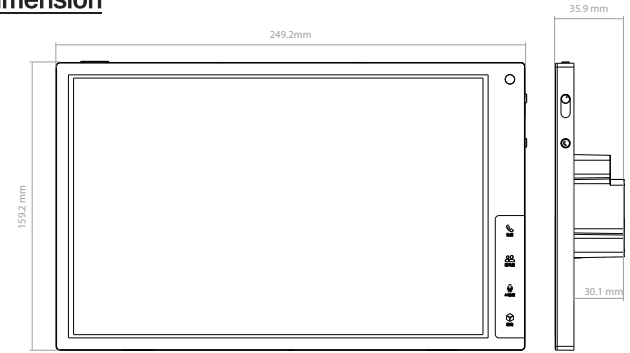
Product Feature

- 10.1" IPS fully laminated HD screen, resolution 1920*1200 , support multi-touch;
- Supports touch sound feedback, customizable volume settings, support for media and call volume adjustment;
- Supports adaptive brightness adjustment and manual setting, and automatic sleep configuration;
- Basic functions such as switch, dimming (single and double color), curtains, scenes , value sending, etc.
- All-in-one temperature control for HVAC, discrete air conditioning, underfloor heating, fresh air, etc.
- RGB & RGBW dimming function;
- Ambient air quality data monitoring;
- Monitoring and display of energy consumption data such as power consumption, current, and voltage;
- Timer function;
- 8 logical group functions;
- 8 event group functions (each group has 8 congurable output channels);
- Proximity sensing lights up the screen, and parameters can be configured to link with other KNX bus devices;
- Home page navigation function allows for quick UI interaction;
- Time and date display and conguration;
- Supports two-way intercom with indoor units, unit door units or central management units, and can be linked to building elevators to achieve up and down elevator control;
- It can directly control door locks and implement access control management. It has anti-tampering alarm and door magnetic detection alarm functions to ensure indoor home safety.
- Supports 8-way defense zone function configuration and automatically prompts alarm according to the configuration.

Technical Parameter

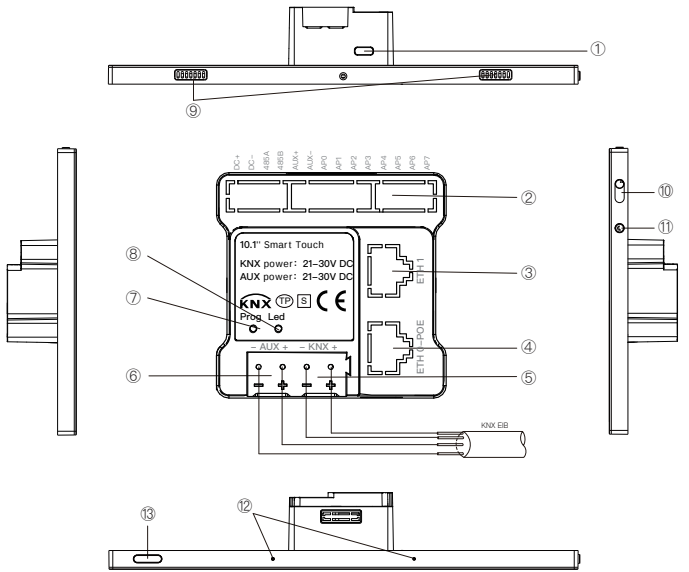
Chip	ARM Quad-core Cortex-A55 up to 1.8GHz, Mali-G52 GPU,ARM G52 2EE, Supports OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1; Built-in 0.8T neural network engine
Running memory	LPDDR4 4GB (optional 2GB, 8GB)
Internal storage	eMMC 5.0 32GB (optional 16GB, 64GB, 128GB)
Screen	10.3" IPS fully laminated FHD (1920x1200/16:10) display with high color gamut Ultra-narrow bezel design, TDDI 10-point touch technology, and anti-oil and anti-fingerprint coating 10.1" IPS fully laminated HD (1280x800/16:10) screen with anti-oleophobic and anti-fingerprint coating
Camera	8MP, 1.12 μm x 1.12 μm pixel, optical size of 1/4", physical privacy switch
Audio	Dual built-in high-quality stereo system with wall-reflecting surround sound field design, 2-microphone array with digital noise reduction technology
Sensor	Human proximity sensor (for automatic wake-up/sleep upon proximity)
Network	802.11ac Wi-Fi wireless network, compatible with IEEE 802.11a/b/g/n, built-in Bluetooth 5.0 1 x Wired WAN + 1x Wired LAN Power supply: PoE in: 25W
External Port	1xUSB 2.0 1xRS-485 Ports, supports multi-channel expansion 8-way defense zone interface + defense zone auxiliary power supply interface (12V/500mA)
Power supply	KNX bus voltage: 21-30V DC Current consumed by the bus: ≤6mA (30V DC), Power consumed by the bus: ≤180mW
Aux power	Auxiliary voltage: 21-30V DC, Auxiliary power consumption: <9W
Wiring	EIB/KNX bus: Terminal connection (red/black), Auxiliary power supply: Terminal connection (yellow/white)
Operation & Indication	Programming button: for device programming physical address and diagnosis Indicator light: Red light means the device enters programming mode
Base System	Android 11 Base supports deep customization
Environmental conditions	Operating temperature: -5°C...+45°C, Storage temperature: -25°C...+55°C Transport temperature: -25°C...+70°C, Ambient humidity: <93%, excluding condensation
Installation	It is recommended to use a standard 86mm wall box with a depth of 7CM

Dimension



Model No.	Size	Weight
LY/ZP10161F22	249.2 x 152.9 x 35.9mm	548g

Wiring Diagram



- ① Type-c debugging interface
- ② RS485+8-way defense zone interface+defense zone aux power supply interface (12V/500mA)
- ③ 1 xWired WAN +1xWired LAN
- ④ POE network port
- ⑤ KNX/EIB bus connection terminal
- ⑥ Aux power supply connection terminal
- ⑦ Programming buttons
- ⑧ Programming indicator light
- ⑨ Speaker
- ⑩ Camera switch
- ⑪ Screen off button
- ⑫ microphone
- ⑬ SOS button

Installation Notes

This equipment is suitable for installation in a conventional 86mm wall box. The jwall box should be at least 70mm deep, depending on the actual wiring connection. The correct operation, testing, inspection, maintenance, and repair of the equipment must be ensured during installation.

Important Hint

Installation and commissioning of the equipment may only be performed by qualified and skilled electricians. Relevant standards, directives, rules and instructions must be strictly followed during the planning and implementation of electrical installations.

- Devices need to be protected from moisture, dirt, and damage during transportation, storage, and use.
- Do not operate the device outside speci?ed speci?cations (eg temperature range).
- The device can only be operated in a closed environment (eg junction box).

When the device is dirty, only use a dry cloth to clean it. If this is not enough to clean it, use a damp cloth with a little soapy solution and wipe it gently. Never use alkalis or corrosive solvents.