TDO 4-inch Control Panel: Wi-Fi / Ethernet / PoE Version, Flexibly Suited for Multiple Scenarios

Imagine a single command transforming into countless living scenes, presenting a sci-fi-like experience—this is the ultimate convenience brought by whole smart home. Beyond various smart devices, a key element making this possible is the "Smart Master"—the intelligent control panel. As a new favorite in smart home technology, the central control panel's unique advantage lies in its ability to unify diverse devices and provide an intuitive, all-in-one operation experience.

TDO introduces a new 86-box, 4-inch intelligent control panel solution, perfectly suited for smart homes, hotels and conference rooms. Features include powerful hardware, rich communication interfaces, simple installation, support for secondary development, and high reliability—delivering the perfect blend of usability, aesthetics, and intelligence.

The panel features a 4.0-inch high-definition IPS LCD screen with a resolution of 720x720 pixels, supporting 24-bit RGB true color. Bright and vibrant colors, coupled with a detailed, realistic display, ensure clear visuals. Capacitive touch technology provides a smooth, responsive control experience, allowing users to effortlessly switch interfaces and adjust functionalities for an intuitive interaction.

Robust In-built Processor Supporting Multi-tasking

Equipped with the industrial-grade MCU-TR660 chip running at up to 600MHz, it offers excellent performance. This enables simultaneous handling of complex UI interfaces, multimedia playback, sensor data collection, and diverse data interactions in various scenarios—ensuring smooth operation and responsive control.

Big Storage for Complex UI Design

The onboard high-speed memory of up to 60MB supports multi-page, animated interfaces, enabling visually stunning and personalized UI experiences. Additionally, expandable storage ensures future application requirements can be met.

Versatile Communication Interfaces for Boundless Connectivity

Different scenarios demand seamless integration of various devices and protocols. To meet these needs, three models are offered: Wi-Fi, Ethernet, and PoE.

1. Wi-Fi Version

Supports 2.4G/5G bands, requiring no wiring. Easily achieve cloud control and remote operation via smartphone apps. High-speed, stable data transmission makes it ideal for home and office environments with flexible layouts.

2. Ethernet Version

Supports high-bandwidth data transfer for environments with higher network reliability demands, such as enterprises and hotels. Also supports RS485 and CAN bus protocols, enabling connection to sensors, access control systems, and security devices.

3. PoE Version

Suitable for large-scale deployments or scenarios requiring easy installation

Model No.	Dimension/ Resolution	Power Supply	Communication
TY040WVP04CF	4"/480*480	Typical Value：DC24V	RS485/CAN/Wi-Fi
TY040HDP04CF	4"/720*720	Typical Value：DC24V	RS485/CAN/Wi-Fi
TY040WVP06CF	4"/480*480	Typical Value：DC24V	RS485/CAN/Ethernet
TY040HDP06CF	4"/720*720	Typical Value：DC24V	RS485/CAN/Ethernet
TY040WVP08CF	4"/480*480	PoE/DC24~48V	RS485/Ethernet
TY040HDP08CF	4"/720*720	PoE/DC24~48V	RS485/Ethernet

About Top Display Optoelectronics

Top Display Optoelectronics (TDO) is a professional display supplier that integrates R&D, manufacturing, and sales of display modules ranging from 0.32" to 55". We have developed our proprietary software, Giraffe I DE, for Ul design. We are committed to become the leader in LCD/OLED display, smart display IoT solutions, and near-eye displays. With distributors across more than 40 countries, our displays are widely embraced in various markets such as smart homes, IoT, industrial control, and the medical sector.