

MP-TSC6K

Android Touch Screen Control Panel (Wall-in) with Knob



Product Overview

The MP-TSC6K is an Android touch screen control panel designed for wall-in installation. It combines a capacitive touch interface, Android 11 platform, network connectivity, serial interfaces, integrated microphone and stereo speaker output in a compact control-panel format.

Key Features

- ARM Cortex-A53 architecture with 1.8GHz main frequency
- Android 11; 4GB DDR4 RAM; 32GB EMMC FLASH
- 1440 × 720 capacitive touch screen with 86 × 86mm wall-box design
- 10M/100M Ethernet RJ45 with PoE support
- RS-232 and RS-485 ports reserved for APK secondary development
- 2.4G + 5G Wi-Fi and Bluetooth 5.4
- Four-array microphone input and dual-speaker stereo output
- Light/distance and temperature/humidity sensors with API interfaces
- Knob encoder with reserved function for APK secondary development
- PoE or independent DC 24V/1A power supply

Technical Specifications

Technical	Specification
CPU	4-core ARM Cortex-A53, 1.8GHz
Operating System	Android 11
RAM	4GB DDR4 RAM
Flash Memory	32GB EMMC FLASH
Resolution	1440 × 720
Touch Type	Capacitive Touch Screen
ESD Protection	IEC 61000-4-2: ±8kV air-gap discharge & ±4kV contact discharge
LAN / PoE	1 × Standard 10M/100M Ethernet RJ45 port, supporting PoE
DEBUG	1 × Micro USB, for debugging or data transmission
RS-232	1 × RS-232 port, reserved for APK secondary development
RS-485	1 × RS-485 port, reserved for APK secondary development
Power Input	1 × Power port, DC 24V/1A input
Housing	Front panel — Touch Screen; Rear case — Plastic
Color	Front Panel — Black; Rear Case — Black
Dimensions	206mm (L) × 86mm (W) × 52mm (D)
Weight	321g
Power Supply	DC 24V/1A or PoE
Power Consumption	10W
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F

Technical	Specification
Operating Humidity	20% ~ 80% RH, non-condensing
Storage Humidity	10% ~ 90% RH, non-condensing