

MP-TP10W

Programmable Touch Panel (Wall-mounted)



User Manual

The MP-TP10W is a wall-mounted programmable touch panel designed for automated office systems, multi-media rooms and smart-home applications. It combines a capacitive 10-inch touch interface with network and RS-485 connectivity for intelligent system control.

10-inch Display 1280 × 800, 16:10 capacitive touch	Android Platform Android 11, ARM Cortex-A55 1.8GHz	Memory 4GB DDR4 RAM + 32GB eMMC
Network 10/100/1000M Ethernet with PoE	Control RS-485 serial communication	Power 24V DC/1A or PoE

KEY FEATURES

- One machine with two modes: touch-screen central control or user terminal.
- RS-485 communication with 8 configurable baud rates from 2400 to 115200 bps.
- Password-protected access to the host system management web page.
- Interface design and programming through IDE design tools.
- Supports TCP/IP, HTTP, UDP and WebSocket network communication protocols.
- Factory reset supported.

TECHNICAL SPECIFICATIONS

Parameter	Specification
CPU	ARM Cortex-A55, 1.8GHz
Operating System	Android 11
RAM	4GB DDR4 RAM
Flash Memory	32GB eMMC Flash
Display Resolution	1280 × 800
Touch Type	Capacitive Touch Screen
ESD Protection	IEC 61000-4-2: ±8kV air-gap discharge; ±4kV contact discharge
RS-485	1 × 3-pin Phoenix connector for RS-485 serial data communication
LAN / PoE	1 × standard 10/100/1000M Ethernet RJ45 interface, supporting PoE
Power	1 × 2-pin Phoenix connector for power supply

Parameter	Specification
Debug	1 × Micro USB system debugging port
Housing	Front panel — Touch Screen; Rear case — Aluminum Alloys
Color	Front Panel — Black; Rear Case — Apple Gray
Dimensions	245.4 × 164 × 27 mm (L × W × D)
Weight	826 g
Power Supply	24V DC/1A or PoE
Power Consumption	6W
Operating Temperature	0°C to 40°C / 32°F to 104°F
Storage Temperature	-20°C to 60°C / -4°F to 140°F
Operating Humidity	20% to 80% RH, non-condensing
Storage Humidity	10% to 90% RH, non-condensing

PACKAGE CONTENTS

1 × Programmable Touch Panel (Wall-mounted) • 1 × 3-pin 3.81mm Phoenix connector (male) • 1 × 24V/1A multinational power supply with 2-pin 3.81mm Phoenix connector • 1 × Wall mounting bracket • 6 × Bracket fixing screws • 1 × User manual

Application examples: multi-media conference rooms, multi-functional halls, training centers, showrooms, broadcasting studios and industrial automation.

Source: MP-TP10W User Manual, VER 1.0. Specifications reproduced from the supplied manual.