

MP-TP4W

Programmable Touch Panel (Wall-in) • VER 1.1



Programmable Wall-in Touch Panel

Designed for automated office systems, multimedia rooms and smart-home environments. The panel provides a programmable interactive interface with network and RS-232 control, in a standard 86-box wall-in form factor.

Key Features

- ARM Cortex-A55 architecture, 1.8GHz main frequency.
- Android 11.0, 4GB DDR4 RAM and 32GB EMMC Flash.
- 4-inch 720 × 720 capacitive touch screen with standard 86-box wall-in design.
- Two modes: touch-screen central control or user terminal.
- RS-232 serial communication with 8 configurable baud rates from 2400–115200bps.
- TCP/IP, HTTP, UDP and WebSocket network communication protocols.
- 10/100/1000M Gigabit Ethernet RJ45 port with PoE support.
- Dual power supply: PoE or 24V DC.
- Central-control software configuration, remote control, remote O&M; and online upgrade.
- Factory reset and password-protected management web access.

Technical Specifications

Parameter	Specification
CPU	ARM Cortex-A55 1.8GHz
Operating System	Android 11
RAM	4GB DDR4 RAM
Flash Memory	32GB EMMC Flash
Resolution	720 × 720
Touch Type	Capacitive Touch Screen
ESD Protection	IEC 61000-4-2: ±8kV air-gap discharge & ±4kV contact discharge
RS-232	1 × 3-pin Phoenix connector, RS-232 serial data communication
LAN / PoE	1 × 10/100/1000M Ethernet RJ45 port, supporting PoE
Power	1 × 2-pin Phoenix connector
Debug	1 × Micro USB system debugging port
Housing	Front panel: Touch Screen; Frame: Aluminum Alloy; Rear Case: Plastic
Color	Front Panel: Black; Frame: Apple Gray; Rear Case: White
Dimensions	86mm (L) × 86mm (W) × 44mm (D)
Weight	192g
Power Supply	24V DC/1A or PoE
Power Consumption	5W
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F

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

Interfaces & Installation

Interfaces: LAN/PoE RJ45 • RS-232 3-pin Phoenix • 24V DC 2-pin Phoenix • Micro USB debug port

Mounting

The touch panel is designed for installation on a standard 86 wall box using the included wall mounting bracket and two fixing screws. Align the rear of the panel with the bracket slots and press into place until the buckles engage.

Applications

Automated office systems • Multimedia conference rooms • Multi-functional halls • Training centers • Showrooms • Broadcasting studios • Industrial automation • Smart homes

Package Contents 1 × Programmable Touch Panel • 1 × 3-pin 3.81mm Phoenix connector • 1 × 24V/1A power supply • 1 × Wall mounting bracket • 2 × bracket fixing screws • 1 × User manual

Source: MP-TP4W User Manual, VER 1.1. Product images on this sheet are extracted directly from the supplied manual.