

BYOD-WALLDISPLAY -7Y

7-INCH SMART TOUCH SCREEN



PRODUCT INTRODUCTION

The 7-inch Smart Touch Screen is an IoT (Internet of Things) smart all-in-one touch device developed and designed based on the A133 architecture. It is equipped with a high-performance ARM Cortex-A53 64-bit quad-core processor, with a maximum main frequency of up to 1.6GHz. It features stronger performance, higher expandability, and more powerful graphics processing capabilities. Additionally, it supports POE power supply for convenient wiring and adopts a wall-mounted installation design, ensuring an elegant and sleek appearance.

APPEARANCE



FEATURES

- Equipped with a high-performance ARM 64-bit quad-core processor, with a maximum main frequency of up to 1.6GHz
- Comes with 4G LPDDR4 memory, providing a fast and efficient operating environment, and has built-in 32G EMMC storage for storing large amounts of data and applications
- Rich in interface resources and supports different communication methods such as RS485 and Uart
- Supports POE interface power supply for convenient wiring
- Wall-mounted installation, which is concise and aesthetically pleasing
- Supports a wide range of operating systems - Android 10.0, providing a flexible development environment

 PARAMETERS

ITEM	PARAMETER
Screen Size	7 inches
Screen Resolution	1024×600
System Platform	Android 10
CPU	64-bit 4-core A53, Maximum Frequency: 1.6GHz
GPU	GE8300
RAM	4G LPDDR4
Flash	32GB EMMC
Graphics Processor	IMG PowerVR GE8300, Supports OpenGL ES3.2, Vulkan 1.1, OpenCL 1.2
Video Processor	H.265 video decoder 4K@30fps, H.264 video decoder 4K@30fps, VP9 video decoder 720p@30fps, H.264 video encoder 1080p@60fps, MJPEG/JPEG Baseline encoder 4K@15fps
Ethernet Port	100/1000M BASE-T *1
Serial Port	1 × Uart, 2 × RS485
USB	1 × USB2.0 (TYPE-C) port
POE (Optional)	IEEE802.3af standard (40V-57V)
GPIO	4 General-purpose GPIO ports
RTC	1 RTC clock battery

 SIZE



 PHYSICAL

Item	Sub-item	Parameter
Operating Environment	Power Input	DC type 12V-24V
	Power Consumption	≈12W
	Operating Temperature	0°C ~ +50°C
	Operating Humidity	≤95% non-condensing (at 40°C±2°C)
Storage Environment	Storage Temperature	-20°C ~ +60°C
	Storage Humidity	≤95% non-condensing (at 40°C±2°C)

SAFETY INSTRUCTIONS

- Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.
- To avoid the risk of fire or electric shock, do not expose this device to rain or moisture, and do not install this product near water.
- Never spill any liquid onto or into this product.
- Do not insert any object into the openings or slots on this product by any means, as this may damage the internal components of the unit.
- Do not attach the power cord to building surfaces.
- Only use the power supply unit provided with the product. Do not use the device if the power supply is damaged.
- Do not place any objects on the power cord, and do not route the power cord in areas where people walk.
- To prevent the device from overheating, do not stack all devices together. Ensure proper ventilation and allow sufficient space for air to circulate around the device.