

HMI Panel Solutions



SNHM07

7 inch Android based HMI Panel

Datasheet



1. Introduction

Sona HMI capacitive touch screen all-in-one /monitor is the most convenient & advanced human-machine interactive equipment. Which integrates many functions such as touch screen. Computer, multimedia, acoustics network industrial design and innovated structure etc. with pure flat structure combined with excellent performance of touchscreen to reach the real human-machine interactive.

2. Features

Capacitive Touchscreen: 7-point capacitive touch screen, 5 ms response.

HD display: Resolution 1024*600 brightness 300cd/m², pure color and natural.

System Compatible: Touchscreen monitor / android touchscreen AIO pc.

Performance Steady: Each unit undergoes multiple tests such as aging, temperature and humidity testing, static electricity detection, vibration, high voltage, touch click, display, etc. to ensure stable quality and support 7*24H work.

Installation simply: Wall mounted / embedded installations, plug and play. No need to debug

Power: POE or Power Supply

Sensors: There is optional Temperature and Humidity Sensor.

HMI Functions : Using Logic Machine Server KNX, Bacnet , Modbus , DMX, M-bus, X-Wave, Zigbee, EnOcean, TCP Socket, XML, SOAP, SNMP Support. Free design graphics using PNG, SVG, JPG, GIF graphics. Alarm and Notification Sound Support. Screensaver Support. Network connection control function.

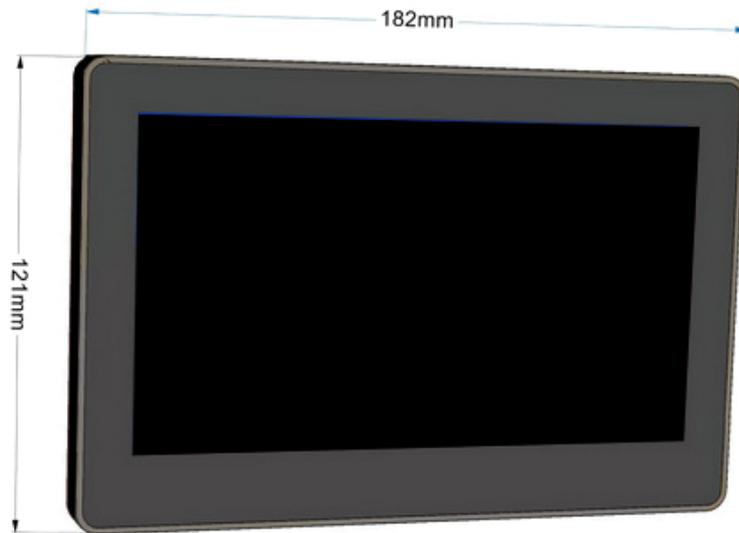


3. Technical Parameters

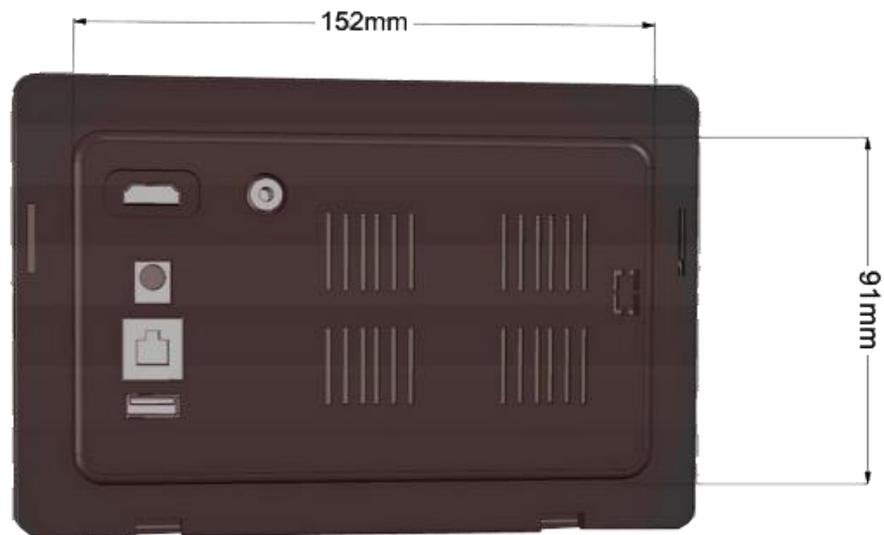
Display Size	7 Inch IPS Display		
Display area	153,5 (W) *88.5 (H) mm		
Resolution	1024 * 600		
Brightness	350cd/m ²		
Reaction Time	10/15(Typ.)(Tr/Td)	Freshening frequency	60Hz
Colour Number	16.7M , 52% (CIE1931) LVDS ports		
Screen Viewing Angle	Full Viewing 85/85/85/85 (Typ.)(CR≥10)(L/R/U/D)		
Chip	Allwinner's A40i processor, a Quad-Core Cortex™-A7 CPU		
Ram	1G		
Hard disc	8G		
Network	Integrated 10/100 / 1000M adaptive network card with POE, wireless network card 802.11a / b / g / n		
Device Size (W×H×T)	182 (W) ×121 (H) ×25 (T) mm		
PackageSize (W×H×T)	270 (W) ×130 (H) ×55 (T) mm		
N.W	0.4 KG		
G.W	1 KG		
Operating Temperature	0°C - 50°C		
Operating Humidity	0% - 90%		
Storage Temperature	0°C - 60°C		
Storage Humidity	0% - 65%		

4. Drawings

Front View



Back View



- **Products Views**



5. Accessories

SNMT07A : Flush Mount Case for 7 Inch Panel



SNMT07S : Surface Mounting Equipment



SNMT07TH : Optional Temperature and Humidity Sensor



6. Warning

This device belongs to precision electronic equipment, the front IP65, the overall protection level is IPX3, should pay attention to avoid water splashing rain.

Do not place the device in a damp environment. Outdoor equipment needs to be equipped with a moisture-proof cover. When it rains or dews, it needs to be protected to prevent the water from entering the machine and the mold. The wet environment will accelerate the rapid aging of electronic components, thereby reducing the service life of the product and causing damage to parts.

Do not leave the device exposed to strong UV light and direct sunlight for a long time. When the temperature is higher than 50 °C, the ultraviolet and high temperature illumination screen will accelerate the deflection of the liquid crystal molecules, and the screen will accelerate the aging. When the outdoor temperature is higher than 50 °C, it will be moved indoors or shaded.

The brightness of the product is not less than 250cd/m². When the ambient brightness is high, the screen display will be unclear. Please avoid placing it outdoors when the sunlight is strong.

When the temperature is below 0 °C, the screen may not work properly due to the deflection of the liquid crystal molecules. It is not recommended to use below 0 °C

The recommended ambient temperature for this product is 0-50 ° C and humidity is 0%-65%.

7. HMI Screen Examples

