TPC120-M820-SS

It adopts optical bonding to prevent screen fogging, and has an automatic photosensitive probe built in, which supports automatic photosensitive adjustment and manual key adjustment. The LCD screen has a wide temperature and high brightness function, and the flat front panel is up to IP65 dustproof and waterproof, which can cope with the harsh outdoor environment with large temperature difference and high humidity.

Features

- UV anti-UV touch screen
- Optical bonding process can prevent screen fogging effectively.
- The screen brightness can be adjusted, supporting automatic sensitivity adjustment and manual key adjustment.
- Comply with EMC anti-electromagnetic interference standard, industrial protection, and adapt to various harsh environments.

DC 12V-36V	Photosensitive	Highlight	IP65 waterproof	Wide temperature	7*24H operation

ISO FC CE CCC RoHS

Product Model

Product Size	12"
Non-touch	TPC120-M800-SS
Capacitive touch	TPC120-M810-SS
Resistive touch	TPC120-M820-SS

Product Interface

Brightness switch	TOUCH	HD	DVI	VGA	Audio I/O	DC 12-36V	Industrial terminal	GND

Product Size

Physical Characteristics

Overall dimensions	W319x H257x D56.5mm
Size of opening	W305.1 x H243.6mm

Interface Parameters

Power interface1	1*Industrial terminal Support 12-36V wide voltage power supply
Power interface2	1*DC2.1, Support 12V-36V wide voltage power supply
HDMI	1*HDMI, Support HDMI data input, With a maximum of 1080P
Touch interface	1*TOUCH（RJ45）
VGA	1*VGA, Analog signal transmission
DVI	1*DVI, Digital signal transmission
Audio interface	1*Audio I/O, Support audio input and output
Brightness switch	Manual brightness and automatic brightness switch button
Ground column	Support(1*GND)

Product Reliability Parameters

Working temperature	-20°C~70°C
Storage temperature	-30°C~80°C
Relative humidity	Humidity: 95% Non-Condensing
Vibration protection	IEC 60068-2-64, Random, 5 ~ 500 Hz, 1 hr/axis
Impact protection	IEC 60068-2-27, Half sine wave, Lasting for 11ms
Product certification	CCC/CE/FCC/EMC/CB/ROHS
Waterproof grade	The front panel reaches IP65 protection level

Power Parameters

Power input	DC 12V~36V
Static power	18W

Product Specifications

Screen Parameters

LCD size	12" TFT LCD
Resolution	1024*768
Viewing angle	85/85/85/80 (L/R/U/D)
Colour	16.7M
Brightness	1000 cd/m²
Contrast ratio	1000:1

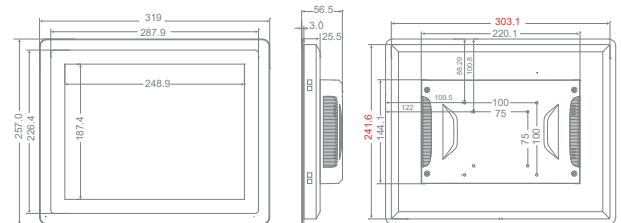### Touch Parameters

Touch type	10-point touch projection Capacitive touch screen	Single-point Resistance touch screen	Non-touch
Transmittance	≥88%	≥78%	≥92%
Input mode	Handwriting or Capacitance pen	Fingertip or stylus	/
Controller communication	USB	USB	/

Hardware Configuration

CPU	RTD2513
Key function	AUTO/MENU/POWER/LEFT/RIGHT

System language	Multilingual (default: English)
Video input	PC-RGB:Format Up to 1920*1080@60HZ Color 16bit/24bit/32bit