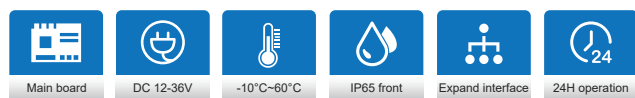


TPC121-M28

The entire panel features a 3mm ultra-thin bezel designed for embedded installation, with an aluminum alloy structure and a fanless, fully enclosed design. Equipped with a self-developed industrial display driver board, the device offers excellent anti-interference and heat dissipation performance, making it resistant to harsh conditions such as extreme temperatures, oil stains, dust, and vibrations. It is an ideal choice for industrial control, terminal equipment, and human-machine interaction (HMI).

Features

- Aluminum alloy enclosure, easy embedded design
- IP65 protected flat front panel
- High precision aluminum alloy material.
- Industrial grade components
- Capacitive/resistive/non-touch
- HDMI/VGA/DP for display high compatibility



Model

Product size	12.1"
Non-touch	TPC121-M2800
Capacitive touch	TPC121-M2810
Resistive touch	TPC121-M2820

I/O Interface



Specification

Screen Parameter

Display type	12.1" TFT LCD screen
MAX.resolution	1280*800 (16:10)
Viewing angle(H/V)	85/85/85/85 (L/R/U/D)
Luminance (cd/m²)	350 cd/m²
Contrast ratio	1000:1

Touch Parameter

Touchscreen	Projection capacitive touch 10-point multi touch	Resistive touch single point	Non-touch
Light transmission	≥88%	≥78%	≥92%
Controller	USB (COM customized)	USB (COM customized)	/

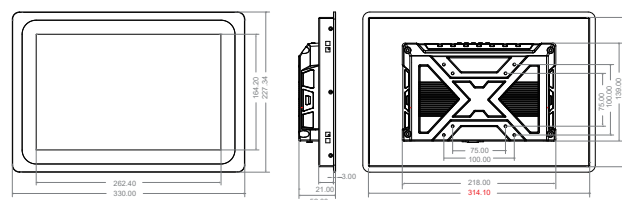
Configuration

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

Power Parameter

Power input	DC 12V-36V
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Dimension



Physical Characteristic

Overall dimensions	W330x H227.3x D52mm
Installation size	W316.1x H213.94mm
Material	Aluminum alloy
Color	Black, optional silve
Installation	Supports Panel-mount/Wall-embedded/Wall-mounted/Desktop/Folding mounting/VESA mount/Suspended mounting, etc.

Interface Parameter

Phoenix terminal	1*2Pin Phoenix terminal (Optional with thread DC 5.5*2.1)
HDMI	1*HDMI, Support HDMI data input, With a maximum of 1080P
Touch interface	1*RJ45 port (USB defined) comes standard with RJ45 to USB touch cable
VGA	1*VGA, Analog signal transmission
DP	1*DP
Audio interface	1*Audio I/O, Support audio input and output
Grounding	1*GND

Reliability Parameter

Operating temperature	-10°C~60°C (-20°C~70°C can be customized)
Storage temperature	-20°C~70°C
Relative humidity	95% non-condensing