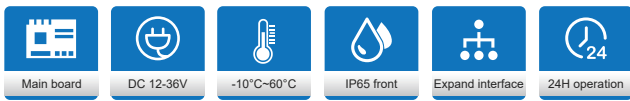


120-M28

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



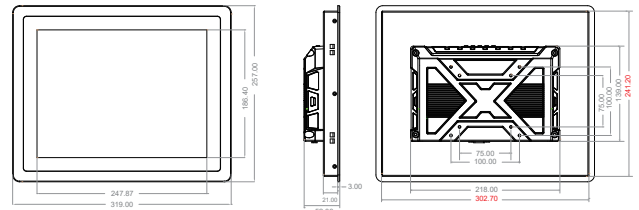
Model

| | |
|------------------|-----------|
| Product size | 12" |
| Non-touch | 120-M2800 |
| Capacitive touch | 120-M2810 |
| Resistive touch | 120-M2820 |

I/O Interface



Dimension



Physical Characteristic

| | |
|--------------------|--|
| Overall dimensions | W319x H257x D52mm |
| Installation size | W304.7 x H243.2mm |
| Material | Aluminum alloy |
| Color | Black, optional silve |
| Installation | Supports Panel-mount/Wall-embedded/Wall-mounted/Desktop/Folding mounting/VESA mount/Suspended mounting, etc. |

Specification

Screen Parameter

| | |
|--------------------------------|-----------------------|
| Display type | 12" TFT LCD screen |
| MAX_resolution | 1024*768 (4:3) |
| Viewing angle(H/V) | 85/85/85/85 (L/R/U/D) |
| Luminance (cd/m ²) | 500 cd/m ² |
| 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 |
|-------------|------------|

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 |

| | |
|---------------|----------|
| Power adapter | 24V/1.5A |
|---------------|----------|