

TPC270-W29

Featuring a self-developed industrial motherboard and a sealed aluminum alloy structure with a die-cast rear cover, the device offers high strength, toughness, and excellent heat dissipation. It is lightweight yet robust, providing corrosion resistance, efficient thermal conductivity, as well as pressure and impact resistance. Widely used in industrial control, military, communications, power, smart self-service terminals, and other automation application fields.

Features

- High-precision die-cast aluminum molding with high-strength toughness and high heat dissipation effect
- Self-developed X86 architecture industrial motherboard
- Intel Celeron J6412 quad-core 2.0GHz processor
- Compliant with EMC immunity standards and adaptable to various harsh environments



Model

| | |
|------------------|--------------|
| Product size | 27" |
| Non-touch | TPC270-W2900 |
| Capacitive touch | TPC270-W2910 |
| Resistive touch | TPC270-W2920 |

I/O Interface



Specification

Screen Parameter

| | | | |
|--------------------------------|---------------------------|--|--|
| Display type | 27" TFT LCD screen | | |
| MAX.resolution | 1920*1080 (16:9) | | |
| Viewing angle(H/V) | 89/89/89/89 (L/R/U/D) | | |
| Luminance (cd/m ²) | 250~300 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) | / |

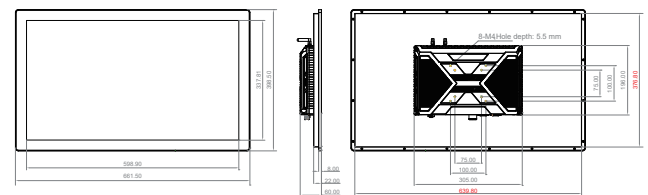
Power Parameter

| | |
|---------------|------------|
| Power input | DC 12V-36V |
| Power adapter | 24V/2.5A |

Configuration

| | |
|------------------|---|
| CPU | Intel Celeron J6412, Frequency 2.00GHz (Maximum RF: 2.6GHz) |
| Memory/RAM | 8GB (Supports up to 32GB) |
| Storage | 128GB SSD (Optional: 256GB/512GB/1TB/2TB/4TB, etc.) |
| GPU | Intel UHD Graphics 16 EUs |
| Operating system | WIN10/11, Ubuntu/Centos/Redhat/Debian/almalinux/Kylin/UOS |

Dimension



Physical Characteristic

| | |
|--------------------|--|
| Overall dimensions | W661.5x H398.5x D60mm |
| VESA | 75x75mm, 100x100mm, M4 screw holes |
| Material | Aluminum alloy |
| Color | Black, optional silve |
| Installation | Supports Wall-mounted/Desktop/VESA mount/Suspended mounting Folding mounting/Back hanging, etc. |

Interface Parameter

| | |
|------------------|--|
| PowerSW | 1*PowerSW |
| Power interface | 1*2P Phoenix Terminal (Supports 12-36V) |
| Phoenix terminal | 1*12P Phoenix Terminal (232*1/485*1/NC*6 with 6P interface reserved) |
| USB | 4*USB (2*USB2.0, 2*USB3.0) |
| CLEAR CMOS | 1*CLEAR CMOS DIP Switch |
| AT-ATX | 1*AT-ATX DIP Switch |
| HDMI | 1*HDMI output, up to 4K |
| Ethernet | 2*LAN, 10M/100M/1000M adaptive Ethernet, 3G/4G customized |
| Audio | 1*Audio I/O, Support audio input and output |
| Serial port | 2*COM (The default is RS232, optional RS485/RS422) |
| Wi-Fi antenna | 2*Wi-Fi antenna |
| Speaker | 2*(8Ω2W) |
| 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 |

| | |
|---------------------|-----------------------|
| Wi-Fi | Dual Band 2.4GHz+5GHz |
| Bluetooth | BT5.0 |
| Watchdog Timer | Support |
| RTC real time clock | Support |
| Timer switch | Support |