

TPC190-W2

The whole machine adopts ultra-thin frame which is more suitable for embedded installation, aluminum alloy structure, fanless fully closed design, front panel pure flat wire drawing process, up to IP65 dustproof and waterproof, and is widely used in industrial control, military, communication, power, network, intelligent self-service terminal equipment and other automation applications.

Features

- 3mm Super Thin Front Bezel, Best for Embedded Cabinet.
- Pure flat panel IP65 dust-proof and waterproof.
- Self-developed X86 architecture industrial motherboard
- Intel Celeron J1900 quad-core 2.0GHz processor
- Comply with EMC anti-electromagnetic interference standard
- Compatible with 99% of industry software, With strong expansibility



Product Model

| | |
|------------------|-------------|
| Product Size | 19" |
| Non-touch | TPC190-W200 |
| Capacitive touch | TPC190-W210 |
| Resistive touch | TPC190-W220 |

Product Interface



Product Specifications

Screen Parameters

| | |
|----------------|--------------------------------|
| LCD size | 19" TFT LCD |
| Resolution | 1280*1024 (Aspect Ratio 5:4) |
| Viewing angle | 85/85/80/80 (L/R/U/D) |
| Colour | 16.7M |
| Brightness | 300 cd/m ² |
| Contrast ratio | 1000:1 |

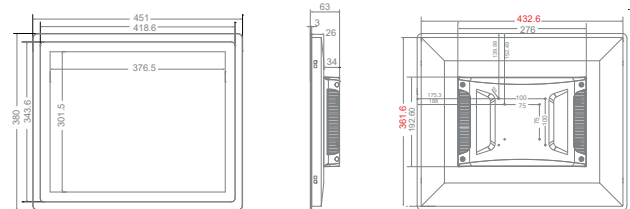
Touch Parameters

| | | | |
|--------------------------|---|--------------------------------------|-----------|
| 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 | Intel Celeron J1900 quad-core 1.99GHz (Maximum 2.4GHz) |
| Memory | 4G DDR3 1333/1600M (Optional: 8G) |
| Storage | 64G SSD (Optional: 128/256/512G) |
| Integrated graphics | Intel HD Graphics |
| Operating system | Win7/10/Ubuntu/Centos/Redhat/Debian/Linux |

Product Size



Physical Characteristics

| | |
|--------------------|-------------------|
| Overall dimensions | W451x H380x D63mm |
| Size of opening | W434.6x H363.6mm |

Interface Parameters

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|-------------------|---|
| Power interface | 1*DC2.5, Supporting wide voltage 12V-36V power supply |
| USB | 2*USB 2.0, 2*USB 3.0 |
| Network interface | 1*LAN, 10M/100M/1000M adaptive Ethernet |
| HDMI | 1*HDMI, Supporting HDMI data output, Up to 4K |
| SIM | 1*SIM, Supporting various formats (Depending on 3G/4G module) |
| VGA | 1*VGA |
| Audio interface | 1*Audio Out, Support audio input and output |
| COM | 2*RS232 |
| WiFi antenna | 2*WiFi antenna |
| Grounding column | Support (1*GND) |

Product Reliability Parameters

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|-----------------------|--|
| Working temperature | -10°C~60°C |
| Storage temperature | -20°C~70°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 |

| | |
|----------------|---------------------------------------|
| Broad pressure | With wide voltage (12V~36V) |
| WiFi | 2.4GHz/5GHz, Dual frequencyWiFi |
| Bluetooth | BT4.0 (Optional) |
| Other support | RTC real-time clock and timing switch |