

# TPC215-W40

Adopting self-developed industrial motherboards and a sealed aluminum alloy chassis, the whole unit features low power consumption and a compact form factor. Specifically designed for complex medical environments, it ensures long-term stable operation under demanding medical conditions. The product has passed medical-grade tests including EMI, ESD, safety regulations, surge immunity, and radiated emissions. It is widely used in smart terminal equipment for therapeutic, diagnostic, and auxiliary self-service medical applications.

## Features

- Protective-grade PCBs ensure EMC and oxidation resistance.
- Intel Celeron J6412 quad-core 2.0GHz processor
- Uses first-tier brand chips and high-quality components.
- Internal anti-vibration and anti-interference design;
- EMI/EMC compliant with industry standards.
- Certified with medical industry test reports.



## Model

|                  |              |
|------------------|--------------|
| Product size     | 21.5"        |
| Non-touch        | TPC215-W4000 |
| Capacitive touch | TPC215-W4010 |
| Resistive touch  | TPC215-W4020 |

## I/O Interface



## Specification

### Screen Parameter

|                    |                       |
|--------------------|-----------------------|
| Display type       | 21.5" TFT LCD screen  |
| MAX.resolution     | 1920*1080 (16:9)      |
| Viewing angle(H/V) | 89/89/89/89 (L/R/U/D) |
| Luminance (cd/m²)  | 300 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)        | /         |

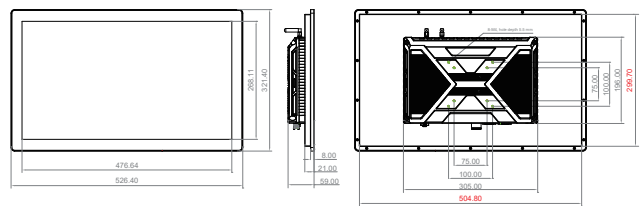
### Power Parameter

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

## Configuration

|                  |                                                             |                     |                       |
|------------------|-------------------------------------------------------------|---------------------|-----------------------|
| CPU              | Intel Celeron J6412, Frequency 2.00GHz (Maximum RF: 2.6GHz) | Wi-Fi               | Dual Band 2.4GHz+5GHz |
| Memory/RAM       | 8GB (Supports up to 32GB)                                   | Bluetooth           | BT5.0                 |
| Storage          | 128GB SSD (Optional: 256GB/512GB/1TB/2TB/4TB, etc.)         | Watchdog Timer      | Support               |
| GPU              | Intel UHD Graphics 16 EUs                                   | RTC real time clock | Support               |
| Operating system | WIN10/11, Ubuntu/Centos/Redhat/Debian/almaLinux/Kylin/UOS   | Timer switch        | Support               |

## Dimension



### Physical Characteristic

|                    |                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------|
| Overall dimensions | W526.4x H321.4x D59mm                                                                              |
| VESA               | 75x75mm,100x100mm, M4 screw holes                                                                  |
| Material           | Aluminum alloy                                                                                     |
| Color              | White                                                                                              |
| Installation       | Supports Wall-mounted/Desktop/VESA mount/Suspended mounting<br>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<br>(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                        |