

## STS1824-0250 product specification

### 1 Product information

| Product name                               | model number | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 18.5-inch embedded industrial touch screen | STS1824-0250 | Equipped with 18.5-inch resolution of 1920x1080 HD LCD display, projection multi-point capacitive touch screen, support HDMI, DVI, DP three signal transmission interfaces and multiple USB2.0 interface expansion, the maximum communication distance between PC and touch panel can reach 30 meters, the whole machine DC24V power supply, front panel IP65 protection level, The interface is all fastening design, and through the CE/FCC certification |

### 2 Product parameters and certification

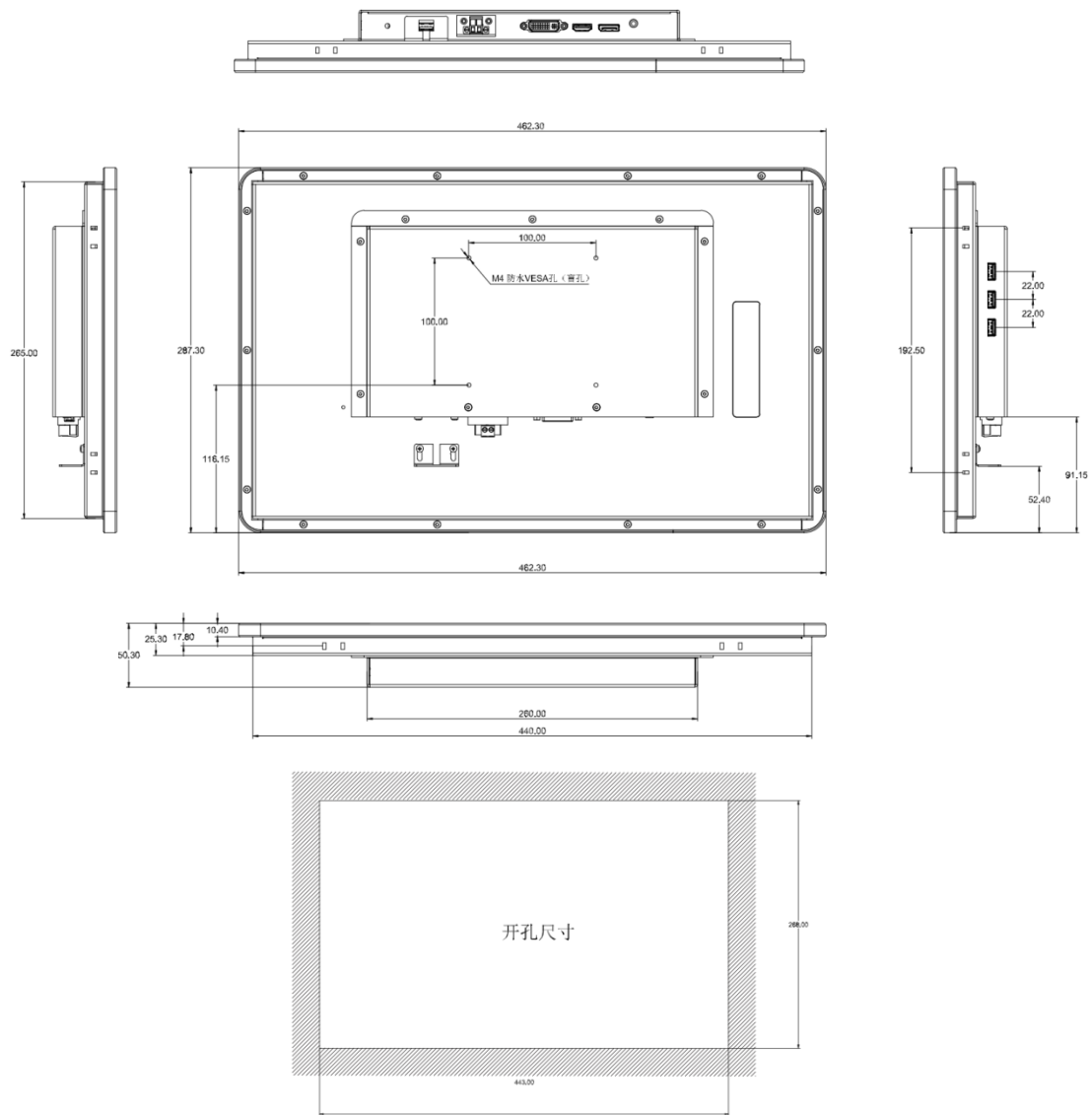
| Classification    | Parameter items        | Specification values              |
|-------------------|------------------------|-----------------------------------|
| LCD screen        | Screen type            | 18.5 "Full HD TFT                 |
|                   | Resolution             | 1920 x 1080                       |
|                   | Maximum color          | 16.7 M                            |
|                   | Display area (W × H)   | 409.8 x 230.4 mm                  |
|                   | Backlight              | WLED                              |
|                   | Backlit MTBF           | ≥30,000 hours                     |
|                   | Pixel spacing          | 0.213 x 0.213 mm                  |
|                   | Brightness             | 250cd/m <sup>2</sup>              |
|                   | Contrast               | 1000:1                            |
|                   | Perspective            | (L)89° (R)89° (B)89° (T)89°       |
| Touch screen      | Type                   | Projected capacitive touch screen |
|                   | Multi-touch            | 10 points                         |
|                   | Transmittance          | 85%                               |
|                   | Controller             | USB port                          |
|                   | Driver support         | Windows/Linux                     |
|                   | Response time (stylus) | <5ms                              |
|                   | Surface hardness       | ≥6H                               |
|                   | Touch life             | 250g/ 120 million times           |
| System parameters | Display interface      | HDMI/DVI-D/DP                     |

| <b>Classification</b>           | <b>Parameter items</b>      | <b>Specification values</b>               |
|---------------------------------|-----------------------------|-------------------------------------------|
|                                 | Communication port          | USB 2.0                                   |
|                                 | Instructions and Operations | OSD control keys                          |
| <b>Power supply</b>             | Input voltage               | DC 24V                                    |
|                                 | Maximum power consumption   | 21W                                       |
| <b>Physical characteristics</b> | Machine size (W x H x D)    | 462.3 * 287.3 * 50.3 mm                   |
|                                 | Hole size (W x H)           | 443 × 268mm                               |
|                                 | Net weight                  | 5kg                                       |
|                                 | Installation method         | Embedded /VESA installation               |
| <b>Environmental parameters</b> | Operating temperature       | 0 ~ 50 °C                                 |
|                                 | Storage temperature         | - 10 ~ 60 °C                              |
|                                 | Relative humidity           | 10% to 95% RH@40 ° C (no condensation)    |
|                                 | Working vibration           | IEC 600682-2-64:1.5Grms/5 to 500Hz/random |
|                                 | Working shock               | IEC 600682-2-27:10g (11ms)                |
|                                 | EMC certification           | CE/FCC Class B                            |
|                                 | Waterproof rating           | Front panel IP65                          |

### 3 Warranty period

Standard warranty period: 1 year warranty for the whole machine

#### 4 Structural dimensions



#### 5 Physical photos of the product

