



# SPECIFICATION

|                    |  |
|--------------------|--|
|                    | Industrial Chassis Frame LCD Monitor<br>With PCAP Touch Screen |
| MODEL              | TSIP   |
| PRODUCT MODEL NAME | TSCHA-1203-<br>PCT   |
| CUSTOMER           |  |
| DATE               | 2020-03-22   |

|  |   |
|--|---|
| APPROVED BY TOUCH AND DISPLAYS CO.,LTD |   |
| ENGINEER                               | Kyeong Min<br>Lee   |
| REVIEWER                               | <br><small>Sung-Hyun Kim<br/>Managing Director</small> |
| CONFIRMED                              |   |



# MONITOR



## Features:

1. Ultra Narrow bezel design, Front bezel aluminum alloy brushed metal craft, seamless design, front IP65 waterproof and dustproof.
2. Industrial LCD panel, wide viewing angle, high nits, true color.
3. Adopt multi-points PCAP touch panel, high sensitive and fast-response.
4. High performance mainboard, 7x24 continuous operation.
5. Support wall mounting, embedded mounting, desk stand mounting etc.

## LCD panel

|                                 |                           |
|---------------------------------|---------------------------|
| Panel size                      | 12.1"                     |
| Display active area             | 246(H) X 184.5(V)         |
| Resolution                      | 1024*768                  |
| Aspect ratio                    | 3:4                       |
| Support Color                   | 16.7M colors              |
| Brightness (cd/m <sup>2</sup> ) | 300nits                   |
| Contrast ratio                  | 800:1                     |
| View angle                      | 80°/80°/80°/80° (R/L/U/D) |
| Support Color                   | 16.7M                     |
| Backlight                       | WLED, 50K hours           |

## Touch panel

|                         |   |
|-------------------------|---|
| Touchscreen Type        | Projected Capacitive Touch (up to 10 points ) |
| Surface Hardness        | 7H  |
| Luminousness            | ≥85%  |
| Touch controller IC     | EETI 80                                       |
| Available touch drivers | Windows, Linux, Android, Mac, etc             |
| Touch options           | (5 wires restive touch, IR touch optional)    |

## External I/O Ports

|                       |   |
|-----------------------|---|
| Video input           | 1×VGA, 1×DVI, 1×HDMI                                |
| Audio in/out          | 1×3.5mm Line-out, 1×3.5mm Line-in (2 x 2W Speakers) |
| Touchscreen interface | 1×USB   |
| Power connector       | 1×Screwable 9V~36V DC jack                          |

## Power Supply

|                              |  |
|------------------------------|--|
| Working voltage              | DC 9V~36V  |
| Power consumption            | 18W  |
| Power adapter                | AC 100 ~ 240V input and DC +12V@3.33A MAX output,  |
| <b>OSD</b>                   |  |
| Function Keys                | 5 Keys: Power/Menu/Up/Down/Return  |
| Menu Functions               | Brightness, Contrast, Screen Setting, Color Temp, OSD Language, Auto Adjust, Reset etc.                                  |
| Support languages            | English, Français, Español, Português, Deutsch, Italiano, Nederlands, Svenska, Suomi, Polski, čeština, Русский, 한국어, 日本語 |
| <b>Enclosure</b>             |  |
| Material                     | Aluminium alloy bezel+ Zinc Plating cold rolled steel rear housing   |
| Finish                       | Front bezel: Sandblasting+Hard Anodizing,<br>Anti-discoloration treatment<br>Rear housing: powder coated                 |
| Color                        | Black  |
| Mounting                     | VESA mount 75*75mm   |
| IP rating                    | Front panel IP65   |
| Cooling system               | Passive - Fanless  |
| Design                       | Ultra Narrow bezel   |
| <b>Operating Environment</b> |  |
| Temperature Range            | Operating: -10 to 60°C, Storage: -20 to 70°C   |
| Relative humidity            | Operating: 10% to 80%, Storage: 5% to 90%  |
| Vibration                    | GB/T 2423.10-2019  |
| Shock                        | GB2423.5   |
| Vibration                    | GB/T 2423.10-2019  |
| Shock                        | GB2423.5   |
| <b>Packing Details</b>       |  |
| Net weight                   | Net weight 3kg   |
| Packing info                 |  |
| Accessories                  | Power adapter, power cord, USB touch cable, HDMI/ VGA cable, embedded mounting screws                                    |
| <b>Other</b>                 |  |
| Warranty                     | 1 year warranty  |

## DRAWING

**TBD**

### NOTE

1. This is a simplified drawing, and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O , please contact our Team(TDS) for more information.