

# TP-112 SERIES

Front IP66/67 Silver Aluminum  
Touch IPC

## Features

Fanless and rugged design  
Intel® Elkhart Lake SoC Processors J6412  
Display Size: 15" / 15.6" / 17" / 19" / 21.5" / 24"  
5 Wires Resistive / True Flat PCT  
2 x USB, 2 x RS232, 2 x GLAN, 1 x HDMI  
VESA mount & Panel mount & Clip mount  
DC in 9V~36V



## Specifications

| Display for 3:4 Ratio      |                                                                                                                                                       |             |             | Display for 16:9 Ratio |             |           |           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|------------------------|-------------|-----------|-----------|
| Size                       | 15" TFT                                                                                                                                               | 17" TFT     | 19" TFT     | 15.6" TFT              |             | 21.5" TFT | 24" TFT   |
| Resolution                 | 1024 x 768                                                                                                                                            | 1280 x 1024 | 1280 x 1024 | 1366 x 768             | 1920 x 1080 | 1920*1080 | 1920*1080 |
| Colors                     | 16.7M                                                                                                                                                 | 16.7M       | 16.7M       | 16.7M                  | 16.7M       | 16.7M     | 16.7M     |
| Luminance                  | 300 cd/m2                                                                                                                                             | 350 cd/m2   | 250 cd/m2   | 400 cd/m2              | 400 cd/m2   | 250 cd/m2 | 250 cd/m2 |
| Contrast Ratio             | 2500:1                                                                                                                                                | 1000:1      | 1000 : 1    | 500 : 1                | 700 : 1     | 3000 : 1  | 1000 : 1  |
| View Angle (H/V)           | 176°/176°                                                                                                                                             | 170°/160°   | 170°/160°   | 170°/160°              | 160°/140°   | 176°/176° | 170°/160° |
| SYSTEM                     |                                                                                                                                                       |             |             |                        |             |           |           |
| CPU                        | Intel® Elkhart Lake SoC Processors J6412                                                                                                              |             |             |                        |             |           |           |
| Memory                     | 2 x 260-pin DDR4 3200MHz SODIMM up to 32 GB (16GB per DIMM )                                                                                          |             |             |                        |             |           |           |
| Storage                    | 1 x SATA 3.0 / 1 x M.2 ( Key M, 3042 / 3060 / 2280 ) with PCIe x1 for SSD                                                                             |             |             |                        |             |           |           |
| OS Support                 | Windows 10 Pro / Windows 10 IoT<br>Windows 11 Pro / Windows 11 IoT                                                                                    |             |             |                        |             |           |           |
| I/O Ports                  | * The I/O interface shown may vary depending on the selected motherboard.                                                                             |             |             |                        |             |           |           |
| RS232/422/485              | 2                                                                                                                                                     |             |             | USB 2.0                | 1           |           |           |
| HDMI                       | 1                                                                                                                                                     |             |             | USB 3.2 Gen 2          | 1           |           |           |
| GLAN                       | 2                                                                                                                                                     |             |             | VGA                    | 1           |           |           |
| Expansion Slot             |                                                                                                                                                       |             |             |                        |             |           |           |
| M.2                        | 1 x M.2 (Key E, 2230) with PCIe x1 and USB 2.0 for WiFi optional<br>1 x M.2 (Key B, 3042/3052) with PCIe x1 / USB 3.2 and USB 2.0 and SIM for 4G / 5G |             |             |                        |             |           |           |
| MECHANICAL & ENVIRONMENTAL |                                                                                                                                                       |             |             |                        |             |           |           |
| Operation Temp.            | 0 ~ 45°C                                                                                                                                              |             |             |                        |             |           |           |
| Storage Humidity           | 10 ~ 90%, non-condensing                                                                                                                              |             |             |                        |             |           |           |
| Form Factor                |                                                                                                                                                       |             |             |                        |             |           |           |
| Touch Screen               | 15" / 17" / 19" : PCT / 5W(Single touch)<br>15" / 15.6" / 17" / 19" / 21.5" / 24" : Projected Capacitive Multi-Touch Panel                            |             |             |                        |             |           |           |
| Mounting                   | VESA mount (100x100mm) & Panel mount & Clip mount                                                                                                     |             |             |                        |             |           |           |
| Power Supply               | 3 Pin power terminal block for DC in 9V~36V                                                                                                           |             |             |                        |             |           |           |

