

# TR120-51A

12" Intel® Bay Trail J1900 2.0GHz Processor  
Industrial Panel PC



## Features:

- Intel® Bay Trail J1900 2.0GHz processor
- Industrial display, multi-point capacitive touch screen
- 4GB DDR3L memory, maximum support 8GB
- 1\*USB3.0, 3\*USB2.0, 4\*RS232
- 1\*HD display interface, 1\*VGA
- 2\* Intel® Gigabit LAN, 1 of which supports Wake-on-LAN
- Fanless design
- Panel protection level can reach IP65

## Specifications:

### System Hardware

|        |                                                        |          |                                                             |
|--------|--------------------------------------------------------|----------|-------------------------------------------------------------|
| CPU    | Intel® Bay Trail J1900 quad-core four-thread processor | Watchdog | Support hardware reset function (256 levels, 0~255 seconds) |
| Memory | 4GB DDR3L, up to 8GB                                   | Storage  | M.2, 128GB, up to 512GB                                     |

### Display

|                  |                         |                |                       |
|------------------|-------------------------|----------------|-----------------------|
| LCD Type         | 12" LCD                 | Luminance      | 400 cd/m <sup>2</sup> |
| Touchscreen Type | Capacitive touch screen | Contrast Ratio | 1000: 1               |
| Max. Resolution  | 1280*800                |                |                       |

### OS

|    |                    |
|----|--------------------|
| OS | Windows7/10、Ubuntu |
|----|--------------------|

### I/O Ports

|              |                                   |           |                                                                           |
|--------------|-----------------------------------|-----------|---------------------------------------------------------------------------|
| USB          | 1*USB3.0 +3*USB2.0                | Mini PCIe | 1*Mini PCIe (4G version (WiFi+BT/3G/4G optional) or 5G version (5G only)) |
| Serial Port  | 4*RS232 (2*RS485 optional)        | SIM card  | 1* Built-in SIM card holder                                               |
| Network Port | 2* RJ45 Gigabit network interface | M.2       | 1*M.2 SLOT(2242)                                                          |
| Audio        | 1*Line-out+1*Mic-in               | GPIO      | NA                                                                        |
| Video        | 1*HD+1*VGA                        |           |                                                                           |
| DC Port      | Phoenix terminal 3pin             |           |                                                                           |

### Power

|       |                                                                                                        |
|-------|--------------------------------------------------------------------------------------------------------|
| Power | 9-32V wide voltage input, standard 12V/5A adapter (optional adapter for external expansion POE module) |
|-------|--------------------------------------------------------------------------------------------------------|

## Environment

|                      |                                                    |                 |                                        |
|----------------------|----------------------------------------------------|-----------------|----------------------------------------|
| Vibration Protection | 5-17Hz/1.0mm amplitude; 17-200Hz/1.0g acceleration | Operating Temp. | -10°C~55°C (wide temperature optional) |
| Shock Protection     | 10g acceleration, 11ms cycle                       | Storage Temp.   | -30°C~70°C (wide temperature optional) |
| IP Rating            | Front panel IP65                                   | Humidity        | 95% @40°C, non-condensing              |

## Mechanical

|                   |                |          |                                      |
|-------------------|----------------|----------|--------------------------------------|
| Dimension (WxHxD) | 315.8*218*70mm | Material | Aluminum alloy                       |
| Weight            | 2.8Kg          | Mounting | VESA mounting: 100*100mm             |
| Color             | Silver         |          | Embedded installation: 304.5*206.8mm |

## Dimensions:

