



## Features

- 21.5" Intel® 12th Gen Alder Lake Fanless Stainless Panel PC
- IP66/69K Full Sealed with Anti-Corrosion Enclosure
- Support Intel® vPro Technology by CPU
- Optional IP67 M12 Stainless Connectors
- Optional Cable Gland for External I.O.
- 100% Waterproof Guarantee
- CE, FCC, VCCI Class B Certified

## Specification

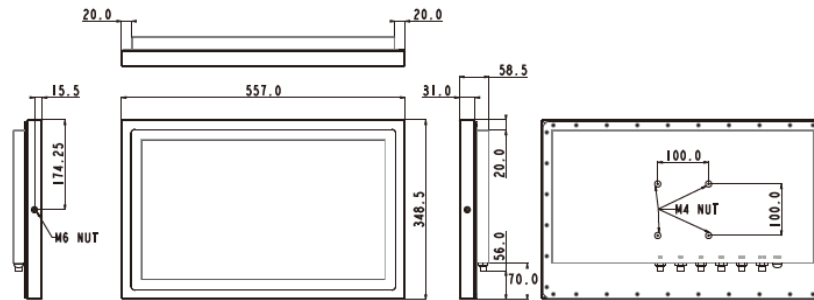
| Model                      |                    | WTP-9H66-22                                                                                                                                                                          |                                                                                                             |
|----------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Main System                | CPU                | Intel® 12th Gen Alder Lake-P MCP Processors, 15 W                                                                                                                                    |                                                                                                             |
|                            | Graphic            | Intel® Gen 12 Graphics                                                                                                                                                               |                                                                                                             |
|                            | Memory             | Dual Channel DDR4 3200 MHz ,2 x 260 SO-DIMM, up to 64GB                                                                                                                              |                                                                                                             |
|                            | OS Support         | Optional Windows 10 (64 bit) / Windows 11 (64 bit)                                                                                                                                   |                                                                                                             |
| Display                    | Size               | 21.5" 16:9                                                                                                                                                                           |                                                                                                             |
|                            | Resolution (pixel) | 1920 x 1080 (Full HD)                                                                                                                                                                |                                                                                                             |
|                            | Number of Colors   | 16.7M colors (RGB 6-bit + Hi-FRC data)                                                                                                                                               |                                                                                                             |
|                            | View Angle (H/V)   | 170(H) / 160(V)                                                                                                                                                                      |                                                                                                             |
|                            | Brightness (nit)   | 250 nits                                                                                                                                                                             |                                                                                                             |
|                            | Contrast Ratio     | 1000 : 1 (Typ)                                                                                                                                                                       |                                                                                                             |
| Touch Panel                | Type               | Full flat resistive touch                                                                                                                                                            | Full flat P-Cap touch                                                                                       |
|                            | Light Transmission | 80 ± 5%                                                                                                                                                                              | ≥ 86%                                                                                                       |
|                            | Hardness/ Lifetime | ≥ 3H / 35M times                                                                                                                                                                     | ≥ 7H / 100M times                                                                                           |
|                            | Touch mode         | Normal mode                                                                                                                                                                          | Normal / Glove / Water mode                                                                                 |
| Storage & Expansion        | Storage            | 1 x 2.5" SATA HDD drive bay (with anti-vibration mechanism)<br>1 x M.2 (Key M, 2242/2260/2280) with PCIe4 (Gen4) for SSD                                                             |                                                                                                             |
|                            | Expansion          | 1 x M.2 (Key B, 3042/3052) with PCIe1,<br>USB3.2, USB2.0 and SIM for 4G/5G<br>1 x SIM socket connected to M.2 key B<br>1 x M.2 (Key E, 2230) with PCIe, USB2.0 and CNVi for Wireless |                                                                                                             |
| I/O Ports                  | Configuration      | STD. (M12 Connector)                                                                                                                                                                 | Cable Gland (Max. 5 external I/O by proper grommet)                                                         |
|                            | USB                | 1 x M12 8pin for USB 2.0 1/2<br>1 x M12 8pin for USB 2.0 3/4<br>1 x USB 3.2 Gen2 (Type-C, Support DP1.4a display output, Power output 5V/3A)                                         | 2 x USB 2.0, 2 x USB 3.2 Gen2, 2 x USB 3.2 Gen2 (Type-C, Support DP1.4a display output, Power output 5V/3A) |
|                            | COM                | 2 x M12 8pin for COM 1 & COM2 (RS-232/422/485)                                                                                                                                       | 2 x RS232/RS422/RS485                                                                                       |
|                            | LAN                | 1 x M12 8pin for LAN 1                                                                                                                                                               | 2 x RJ-45 (2.5Gigabit Ethernet)                                                                             |
|                            | Audio              | N.A.                                                                                                                                                                                 | 2 x 3.5mm phone jack connector                                                                              |
|                            | Video              | N.A.                                                                                                                                                                                 | 2 x HDMI 2.0b, 2 x Type-C (Support DP1.4a display output, Power output 5V/3A)                               |
|                            | DC in              | 1 x DC-In connector, DC 12~28V                                                                                                                                                       |                                                                                                             |
|                            | Control Keys       | Rear bottom: Power on /off; Side: brightness up / down                                                                                                                               |                                                                                                             |
|                            | Power              | AC 100 ~ 277V / 47 ~ 63 Hz / DC output 24V, 5A, 120W, IP68                                                                                                                           |                                                                                                             |
| Environmental              | Power consumption  | TBD W                                                                                                                                                                                |                                                                                                             |
|                            | Temperature        | Operating Temperature<br>24V DC Input 0~40°C (IEC60068-2-56, air flow cooling, HDD)<br>24V DC Input 0~50°C (IEC60068-2-56, air flow cooling, SSD)<br>Storage Temperature -20~60°C    |                                                                                                             |
|                            | Humidity           | Operating & Storage: 10 ~ 90%, non-condensing                                                                                                                                        |                                                                                                             |
| Mechanical Characteristics | Water/Dust         | IP66 / NEMA4X / IP69K                                                                                                                                                                |                                                                                                             |
|                            | Housing            | SUS304 stainless steel enclosure, chassis type                                                                                                                                       |                                                                                                             |
|                            | Dimensions(net:mm) | 557 x 348.5 x58.5                                                                                                                                                                    |                                                                                                             |
|                            | Weights (net: kg)  | 12 kg                                                                                                                                                                                |                                                                                                             |
| Certification              | Mounting           | VESA 100*100, side mount (M6*2)                                                                                                                                                      |                                                                                                             |
|                            |                    | CE (EMC) / FCC-B / VCCI Class B, Canada ICES-003                                                                                                                                     |                                                                                                             |

# WTP-9H66-22

# Stainless Steel Panel PC

## Dimensions

Units (mm)



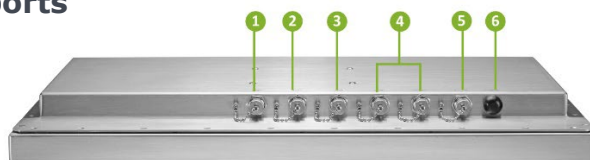
## Major Options

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Options       | <ol style="list-style-type: none"> <li>1. Full flat PCT touch screen IP69K</li> <li>2. IP67 (STD M12 type)</li> <li>3. 2.5" SSD</li> <li>4. M.2 SSD (128G)</li> <li>5. Wireless or Wireless and BT kit (easy clean and Robust Antenna)</li> <li>6. 2 External LAN (USBx2, LANx2, COMx1)</li> <li>7. Cable Gland External IO</li> <li>8. SUS316 Enclosure</li> <li>9. M12 (female) to M12 (male) DC power extension cable (2 meters length)</li> <li>10. M12 (female) to stripped and tinned wires DC extension cable (1.2 meters length)</li> <li>11. Barcode Reader (can't coexist with RFID)</li> <li>12. RFID (can't coexist with Barcode reader)</li> <li>13. Supports floor stand solution</li> <li>14. 3W speaker (IP66)</li> <li>15. Waterproof type C cable, cable length is 1 meter</li> <li>16. Wall mount</li> <li>17. Table mount bracket (For Type C / RFID)</li> <li>18. 2nd Storage for RAID 0,1</li> </ol> |
| Accessory     | <ol style="list-style-type: none"> <li>1. Waterproof USB cable, cable length is 2 meters</li> <li>2. Waterproof LAN cable, cable length is 2 meters</li> <li>3. Waterproof COM cable, cable length is 2 meters</li> <li>4. DC input cable</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Customization | <ol style="list-style-type: none"> <li>1. Sunlight readable optical bonding</li> <li>2. Roof for UV protection and sunlight readable</li> <li>3. 1000 nit high brightness LCD</li> <li>4. COM + Power 5V or 12V</li> <li>5. Intel i3-1215UE, DC, 3.3GHz</li> <li>6. Intel i7-1265UE, DC, 3.5GHz</li> <li>7. WDT AP/API</li> <li>8. Stainless M12 connector</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Order Information

| Item             | Cooling | Description                                                            |
|------------------|---------|------------------------------------------------------------------------|
| WTP-9H66-22 (i5) | Fanless | 21.5" Core i5-1245UE 3.3 GHz / 4G RAM/ 500G HDD/ Full Flat R-touch     |
| WTP-9H66-22 (i5) | Fanless | 21.5" Core i5-1245UE 3.3 GHz / 4G RAM/ 500G HDD/ Full Flat P-cap touch |

## I/O ports



- 1 Giga LAN
- 2 USB 1/2
- 3 USB 3/4
- 4 COM x 2
- 5 DC-in
- 6 Power on/off

