

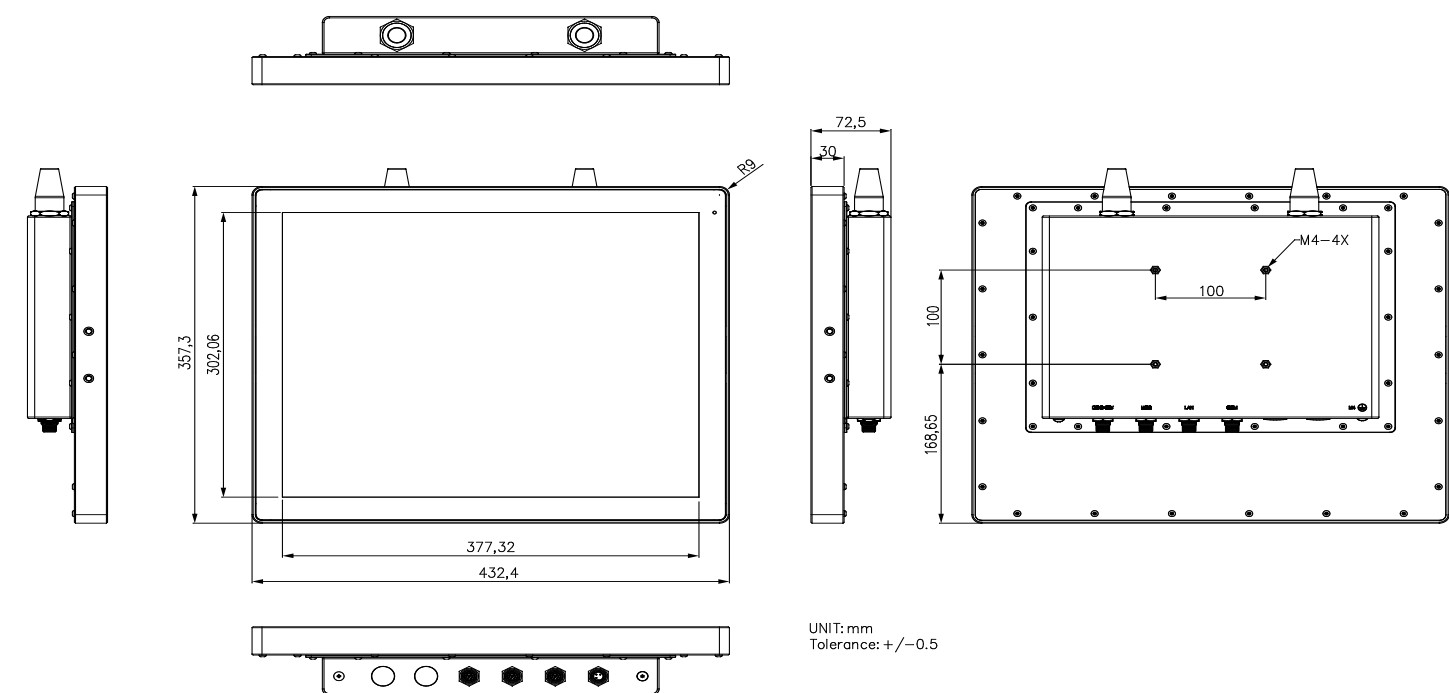
## Features

- Industrial-grade 19" TFT-LCD
- Intel Core Ultra processors (Series 1) formerly Meteor Lake
- Full Flat Bezel and Fanless Design
- Total IP66/IP69K with M12 Waterproof Connector
- Wide Range DC 12~24V Power Input, Optional AC 100~240V
- Support Projected Capacitive Touch
- Support VESA Mount 100 x 100
- 1 x M.2 2280 M-Key for Optional Storage Device
- 1 x M.2 2230 E-Key for Optional Wi-Fi/BT Module
- ATEX/IECEX Zone2, Zone22 and C1D2/C2D2/C3 Certified

## Specifications

| System                         |                                                                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU                            | Intel Core Ultra 5 125U (2 P-Cores x 1.3 GHz, 8 E-Cores x 0.8 GHz, 12MB cache, 15W)<br>Intel Core Ultra 7 155U (2 P-Cores x 1.7 GHz, 8 E-Cores x 1.2 GHz, 12MB cache, 15W) |
| System Chipset                 | SoC                                                                                                                                                                        |
| Memory                         | 1 x DDR5-5600MHz SO-DIMM (Non-ECC) slot (pre-installed 16GB), up to 32GB                                                                                                   |
| Security                       | TPM 2.0                                                                                                                                                                    |
| I/O Interface                  |                                                                                                                                                                            |
| USB                            | 1 x M12 8-pin for 2 x USB 2.0 with Waterproof cap and chain                                                                                                                |
| Serial/ Parallel               | 1 x M12 8-pin for COM1, RS-232/422/485 (Default RS-232) with Waterproof cap and chain                                                                                      |
| LAN                            | 1 x M12 8-pin for GbE LAN with Waterproof cap and chain                                                                                                                    |
| Power                          | 1 x M12 3-pin for Power input                                                                                                                                              |
| Option                         | 2 x optional blank M12 connectors with waterproof cap for selecting two from the following options:<br>2 x USB 2.0<br>1 x USB 3.2 Gen1<br>1 x GbE LAN<br>1 x COM           |
| Storage Space                  |                                                                                                                                                                            |
| Storage                        | 1 x M.2 2280 M-Key (PCIe x4), M.2 2280 as optional<br>1 x 2.5" SATA3 SSD as standard (pre-installed 256GB)                                                                 |
| Expansion                      |                                                                                                                                                                            |
| M.2                            | 1 x M.2 2230 E-Key (USB2.0 + PCIe x1) for optional Wi-Fi/BT module<br>1 x M.2 3042/3052 B-Key (USB3.2 Gen1, PCIe x1) for optional LTE/5G module                            |
| SIM Slot                       | 1 x Micro-SIM slot                                                                                                                                                         |
| Antennas                       | 2 x Antenna holes for SMA-type antennas (Wi-Fi/BT/LTE/5G)                                                                                                                  |
| Display                        |                                                                                                                                                                            |
| Display Type                   | 19" TFT-LCD                                                                                                                                                                |
| Max. Resolution                | 1280 x 1024                                                                                                                                                                |
| Max. Color                     | 16.7M                                                                                                                                                                      |
| Luminance (cd/m <sup>2</sup> ) | 1000                                                                                                                                                                       |
| View Angle                     | 170(H)/160(V)                                                                                                                                                              |
| Contrast                       | 1000:1                                                                                                                                                                     |
| Backlight Lifetime             | 70,000 hrs                                                                                                                                                                 |
| Touch Screen                   |                                                                                                                                                                            |
| Type                           | Projected Capacitive Touch                                                                                                                                                 |
| Interface                      | USB                                                                                                                                                                        |
| Light Transmission(%)          | 90%                                                                                                                                                                        |

## Dimensions



| Power                                                   |                                                                                                                                                                                                                                                            |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Input                                             | Standard: DC 12~24V<br>Optional: AC 100~240V                                                                                                                                                                                                               |
| Power Consumption                                       | TBD                                                                                                                                                                                                                                                        |
| Mechanical                                              |                                                                                                                                                                                                                                                            |
| Construction                                            | SUS316 Stainless Steel Enclosure                                                                                                                                                                                                                           |
| Mounting                                                | VESA Mount 100 x 100                                                                                                                                                                                                                                       |
| IP Rating                                               | Total IP66/69K                                                                                                                                                                                                                                             |
| Dimensions                                              | 432.4 x 357.3 x 72.5 mm                                                                                                                                                                                                                                    |
| Net Weight                                              | 11.65 kg                                                                                                                                                                                                                                                   |
| Environmental                                           |                                                                                                                                                                                                                                                            |
| Operating Temperature                                   | -30~70°C                                                                                                                                                                                                                                                   |
| Storage Temperature                                     | -40~80°C                                                                                                                                                                                                                                                   |
| Humidity                                                | 10 to 95% @ 40°C, non- condensing                                                                                                                                                                                                                          |
| Safety                                                  | IEC 61010-1                                                                                                                                                                                                                                                |
| Certificate                                             | CE/FCC Class A<br>ATEX/ IECEx Zone 2 Ex nR ic IIC T5 Gc<br>ATEX/ IECEx Zone 22 Ex tc IIIC T100°C Dc<br>Class I, Division 2, Group A,B,C,D,T5<br>Class II, Division 2, Group F,G, T100°C<br>Class III<br>ANSI/ISA 12.12-01-2013<br>CSA Std., C22 No213-1987 |
| Operating System Support                                |                                                                                                                                                                                                                                                            |
| Windows 10 IoT/ Windows 11 IoT/ Linux Ubuntu by request |                                                                                                                                                                                                                                                            |
| Ordering Information                                    |                                                                                                                                                                                                                                                            |
| AEx-919EPH                                              | 19", 1280x1024, HB/ OB/ PCT/ SUS316/ Ultra 5/7/ DDR5-W 16G/ 2.5" SSD<br>MLC-W 256GB/ DC 12~24V/ M12 COM Cable/ M12 USB-A Y Cable/<br>M12 Power Cable/ M12 LAN Cable/ WT1                                                                                   |