



ALL IN ONE TOUCHSCREEN COMPUTER

# AIO-W210-MTL

10.1" WXGA Capacitive IP65 All In One Touchscreen Computer with Intel® Core™ Ultra Series 1 Processors, 3x LAN, 3x USB, 1x Type C, 2x COM, 2x DP



## Features

- 10.1" (16:10) WXGA All-in-One Touchscreen Computer
- World Class Certifications for Safety and Reliability: CE/FCC/CB/UL/UKCA/IC
- Front IP65 Rating for protection against water and dust
- Scratch Resistant 7H Glass Hardness
- Versatile Display Outputs, 2x DP++ and LVDS/eDP
- Backlight lifetime 30,000 Hours

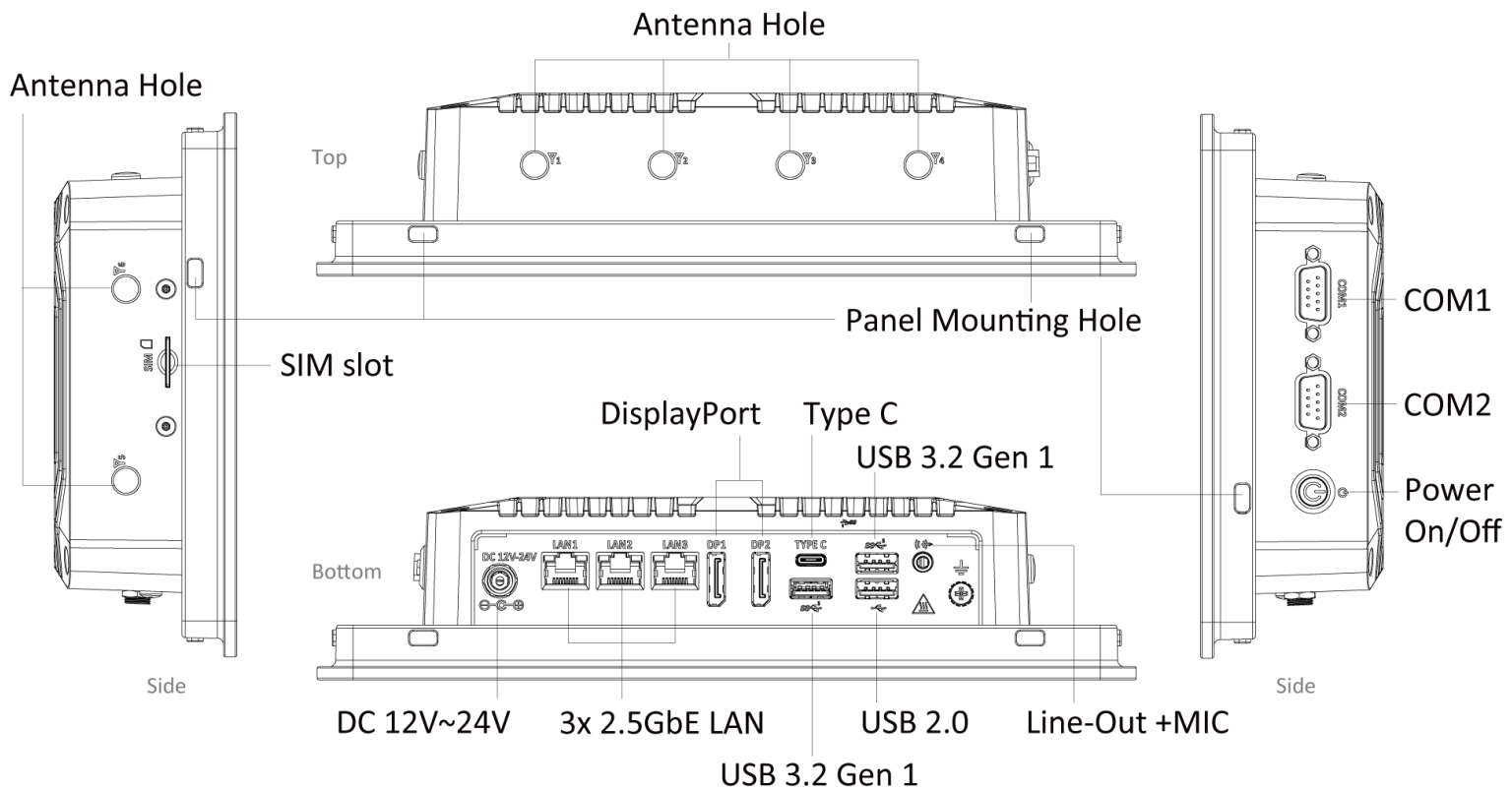
## Specifications

| Display                                                                      |                                                                                                                                                     |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| IP Rating                                                                    | Front IP65                                                                                                                                          |
| LCD Size                                                                     | 10.1" (16:10)                                                                                                                                       |
| Max. Resolution                                                              | 1280 x 800 (WXGA)                                                                                                                                   |
| Brightness (cd/m <sup>2</sup> )                                              | 400 nits                                                                                                                                            |
| Contrast Ratio                                                               | 800:1                                                                                                                                               |
| LCD Color                                                                    | 16.7M                                                                                                                                               |
| Pixel Pitch (mm)                                                             | 0.169(H) x 0.1695(V)                                                                                                                                |
| Viewing Angle                                                                | 89/89/89/89 (Typ.) (CR>=10)                                                                                                                         |
| Backlight Lifetime                                                           | 30,000 Hours (LED Backlight)                                                                                                                        |
| Touch                                                                        |                                                                                                                                                     |
| Touch Type                                                                   | Projected Capacitive Touch                                                                                                                          |
| Surface Hardness                                                             | 7H / IK07                                                                                                                                           |
| Multi-touch                                                                  | 10 point (Support Glove Mode)                                                                                                                       |
| Anti-noise                                                                   | CS 10V rms                                                                                                                                          |
| System                                                                       |                                                                                                                                                     |
| Processor                                                                    |                                                                                                                                                     |
| • Intel® Core™ Ultra 5 Processor 125U 12M Cache, up to 4.30 GHz (2+8+2 core) |                                                                                                                                                     |
| • Intel® Core™ Ultra 7 Processor 155U 12M Cache, up to 4.80 GHz (2+8+2 core) |                                                                                                                                                     |
| System Chipset                                                               | SoC integrated                                                                                                                                      |
| System Memory                                                                | 1x 262-Pin DDR5 5600 MT/s S0-DIMM. Max. 48GB (Non-ECC)                                                                                              |
| LAN Chipset                                                                  | GbE1: Intel i226-LM 2.5GbE LAN PXE iAMT Support<br>GbE2: Intel i226-V 2.5GbE LAN PXE iAMT Support<br>GbE3: Intel i226-V 2.5GbE LAN PXE iAMT Support |
| Audio Codec                                                                  | Realtek ALC897 High Definition Audio CODEC                                                                                                          |
| BIOS                                                                         | AMI uEFI 256MB SPI flash                                                                                                                            |
| Watchdog                                                                     | Software Programmable Supports 1~255 sec. System Reset                                                                                              |
| TPM                                                                          | dTPM2.0, fTPM2.0                                                                                                                                    |
| Storage                                                                      |                                                                                                                                                     |
| M.2                                                                          | 1x M.2 M Key (2280, PCIe x4 Gen 4/SATA) support for NVMe/SATA SSD, Auto Detect                                                                      |
| Expansion                                                                    |                                                                                                                                                     |
| M.2                                                                          | 1x M.2 B Key (3042/3052, PCIe x2+USB 3.0+USB 2.0) support for 4G/5G<br>1x M.2 E Key (2230, PCIe+USB 2.0) for Wifi/Bluetooth                         |
| I/O                                                                          |                                                                                                                                                     |
| DisplayPort                                                                  | 2x DisplayPort                                                                                                                                      |
| COM                                                                          | COM 1: RS-232/422/485<br>COM 2: RS-232                                                                                                              |
| USB                                                                          | 1x USB 3.2 Type-C (5 Gbps)<br>2x USB 3.2 Gen 1 (5 Gbps)<br>1x USB 2.0                                                                               |
| LAN                                                                          | 3x 2.5GbE LAN                                                                                                                                       |
| Audio                                                                        | 1x Line-Out +MIC                                                                                                                                    |
| SIM                                                                          | 1x SIM Socket                                                                                                                                       |
| Others                                                                       | Support up to 6x Antenna (optional)                                                                                                                 |
| Operating System                                                             |                                                                                                                                                     |
| Windows                                                                      | Windows 10 / Windows 11                                                                                                                             |
| Linux                                                                        | Ubuntu 22.04 / 24.04 LTS                                                                                                                            |
| Power                                                                        |                                                                                                                                                     |
| Power Adapter                                                                | 150W (20V/7.5A, Default)                                                                                                                            |
| Power Supply Voltage                                                         | DC 12~24V                                                                                                                                           |
| Power Connector                                                              | DC Jack 5.5mm/2.5mm                                                                                                                                 |
| Environment                                                                  |                                                                                                                                                     |
| Operating Temperature                                                        | -10°C to 50°C                                                                                                                                       |

| Storage Temperature | -20°C to 60°C                                                    |
|---------------------|------------------------------------------------------------------|
| Relative Humidity   | 10% to 80% (non-condensing)                                      |
| Certification       | UL 62368 Ed. 3, CE, FCC Class A, CB, UKCA, IC                    |
| Vibration           | With SSD: 3 Grms (5 - 500 Hz, 0.5 hr/axis)                       |
| Shock               | With SSD: 20G half-sin 11ms                                      |
| Physical            |                                                                  |
| Dimensions          | 256 (W) x 170 (H) x 57 (D) mm                                    |
| Weights             | 1.4 kg                                                           |
| Mounting            | VESA Mount (75mm x 75mm/100mm x 100mm)<br>Panel Mount (optional) |

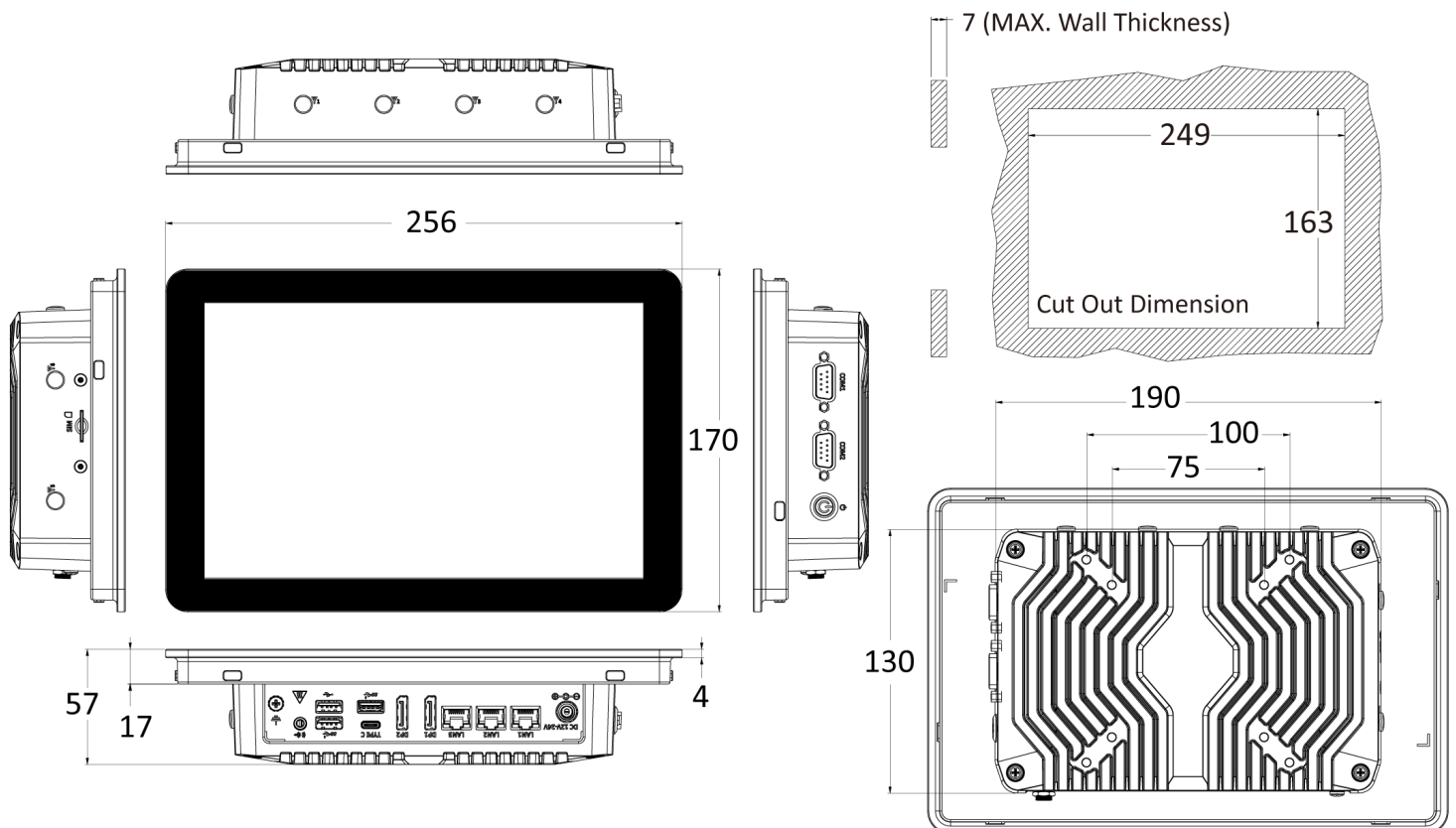
\* All specifications and photos are subject to change without notice.

External I/O Mechanical Layout



Dimension

Unit: mm



## Available Models

| Model No.        | Description                                                                                                                                         |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| AIO-W210C-125U-P | 10.1" Full WXGA Capacitive IP65 All In One Touchscreen Computer with Intel® Core™ Ultra 5 125U Processors, 3x LAN, 3x USB, 1x Type C, 2x COM, 2x DP |
| AIO-W210C-155U-P | 10.1" Full WXGA Capacitive IP65 All In One Touchscreen Computer with Intel® Core™ Ultra 7 155U Processors, 3x LAN, 3x USB, 1x Type C, 2x COM, 2x DP |

## Optional Accessories

| Model No.     | Description                                                                  |
|---------------|------------------------------------------------------------------------------|
| 1-E09A15001   | Adapter Output With Lock 20VDC 7.5A 150W / Input 100~240V                    |
| 3-WIFI0801S10 | WIFI 6E Module KIT, Intel, 2T2R & BT 5.3                                     |
| 3-AI01040S10  | AIO-W210 Panel Mount Bracket Kit                                             |
| 1-TPWR00118   | 3P Terminal Block(Female) To DC Plug 5.5x2.5 With Lock_100 mm_For AIO Series |
| 1-TPCD00008   | AC Power Cord, 3-pin US Type, 183cm                                          |
| 1-TPCD00009   | AC Power Cord, 3-pin EU Type, 183cm                                          |
| 1-TPCD00011   | AC Power Cord_Round_3Pin_1830mm_IEC-320-C5 To UK Type                        |

## Packing List

1x AIO-W210-MTL Series Touchscreen Computer  
 1x Adapter Output 20V 7.5A 150W  
 1x 128G M.2 M Key NVMe SSD  
 1x 8GB DDR5 5600 MT/s

## Compliances and Standards

|                       |                                                                                                                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shock                 | With SSD: 20G half-sin 11ms<br>IEC60068-2-27:2008<br>Designed to comply with MIL-STD-810H Method 516.8 Procedure I                                                                                                                  |
| Vibration             | With SSD: 3 Grms (5 - 500 Hz, 0.5 hr/axis)<br>IEC60068-2-64:2008<br>Designed to comply with MIL-STD-810H Method 514.8 Procedure I                                                                                                   |
| Operating Temperature | -10°C to 50°C<br>IEC60068-2-1:2007 (Cold test procedure)<br>IEC60068-2-2:2007 (Dry heat test procedure)<br>IEC60068-2-3:2007 (Damp heat, steady state, test procedure)<br>IEC60068-2-14:2009 (Wide temperature range thermal shock) |
| EMI                   | <ul style="list-style-type: none"> <li>FCC Class A (47 CFR part 15.109 and part 15.107)</li> <li>CE</li> <li>ICES-003</li> <li>UKCA</li> </ul>                                                                                      |
| Safety                | <ul style="list-style-type: none"> <li>UL Safety: UL62368-1, 3rd Ed., (cULus)</li> <li>Test procedure: CB Scheme</li> <li>Standard: IEC 62368-1:2018</li> </ul>                                                                     |

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