



ALL IN ONE TOUCHSCREEN COMPUTER

# AIO-W215-ASL-3L

15.6" Full HD Capacitive IP65 All In One Touchscreen Computer with Intel® N97 / Atom® x7835RE Processor, 3x LAN, 2x USB, 2x COM, 1x DP, 1x HDMI



## Features

- 15.6" (16:9) Full HD 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; HDMI and DP
- Backlight lifetime 30,000 Hours

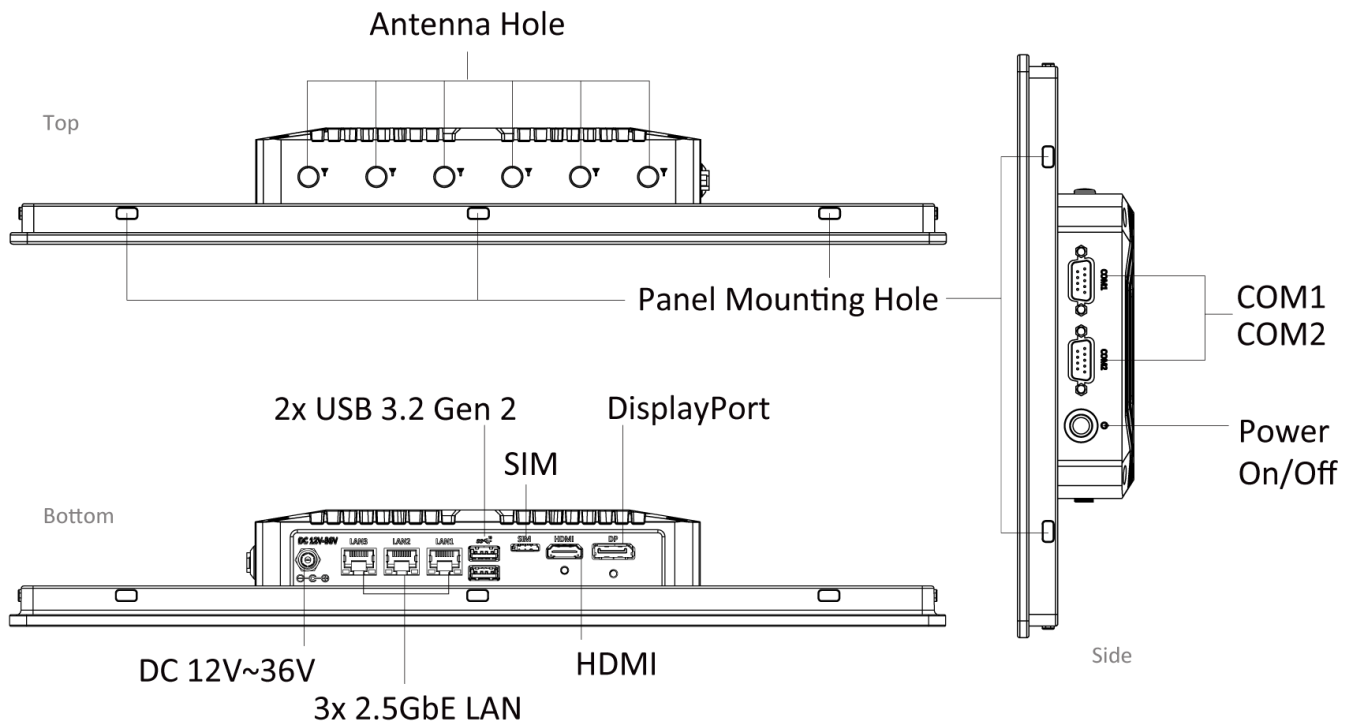
## Specifications

| Display                                                                                                                                                                                                             |                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| IP Rating                                                                                                                                                                                                           | Front IP65                                                                                  |
| LCD Size                                                                                                                                                                                                            | 15.6" (16:9)                                                                                |
| Max. Resolution                                                                                                                                                                                                     | 1920 x 1080 (Full HD)                                                                       |
| Brightness (cd/m <sup>2</sup> )                                                                                                                                                                                     | 400 nits                                                                                    |
| Contrast Ratio                                                                                                                                                                                                      | 800:1                                                                                       |
| LCD Color                                                                                                                                                                                                           | 16.7M                                                                                       |
| Pixel Pitch (mm)                                                                                                                                                                                                    | 0.17925(H) x 0.17925(V)                                                                     |
| Viewing Angle                                                                                                                                                                                                       | 85 / 85 / 85 / 85 (Typ.) (CR>=10)                                                           |
| Backlight Lifetime                                                                                                                                                                                                  | 30,000 Hours (LED Backlight)                                                                |
| Touch                                                                                                                                                                                                               |                                                                                             |
| Touch Type                                                                                                                                                                                                          | Projected Capacitive Touch                                                                  |
| Surface Hardness                                                                                                                                                                                                    | 7H / IK07                                                                                   |
| System                                                                                                                                                                                                              |                                                                                             |
| Processor                                                                                                                                                                                                           |                                                                                             |
| <ul style="list-style-type: none"> <li>• 12th Gen Intel® Alder Lake-N Processor N97, 6M Cache, up to 3.60 GHz, 4 core 12W</li> <li>• Intel® Atom® x7835RE Processor 6M Cache, up to 3.60 GHz, 8 core 12W</li> </ul> |                                                                                             |
| System Chipset                                                                                                                                                                                                      | SoC integrated                                                                              |
| System Memory                                                                                                                                                                                                       | 1x 262-Pin DDR5 4800 MT/s SO-DIMM. Max. up to 16GB (Non-ECC)                                |
| LAN Chipset                                                                                                                                                                                                         | GbE1~3: Intel i226V 2.5GbE LAN PXE 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                                                                                                                                                                                                                 | TPM2.0                                                                                      |
| Storage                                                                                                                                                                                                             |                                                                                             |
| M.2                                                                                                                                                                                                                 | 128G M.2 B-Key SATA SSD (Default)                                                           |
| SATA                                                                                                                                                                                                                | 1x SATA 3.0 6Gb/s port Support AHCI (Option)                                                |
| Expansion                                                                                                                                                                                                           |                                                                                             |
| M.2                                                                                                                                                                                                                 | 1x M.2 E-Key Support WiFi 6E/Bluetooth (Option)<br>1x M.2 B-Key Support SATA/4G/5G (Option) |
| I/O                                                                                                                                                                                                                 |                                                                                             |
| DisplayPort                                                                                                                                                                                                         | 1x DP 1.4a up to 4096x2304 @60Hz                                                            |
| HDMI                                                                                                                                                                                                                | 1x HDMI™ 1.4b up to 3840x2160 @30Hz                                                         |
| COM                                                                                                                                                                                                                 | COM 1: RS-232/422/485<br>COM 2: RS-232                                                      |
| USB                                                                                                                                                                                                                 | 2x USB 3.2 Gen 2 (10 Gbps)                                                                  |
| LAN                                                                                                                                                                                                                 | 3x 2.5GbE LAN                                                                               |
| SIM                                                                                                                                                                                                                 | 1x Dual Nano SIM                                                                            |
| Others                                                                                                                                                                                                              | Support up to 6x Antenna (optional)                                                         |
| Operating System                                                                                                                                                                                                    |                                                                                             |
| Windows                                                                                                                                                                                                             | Windows 10 / Windows 11                                                                     |
| Linux                                                                                                                                                                                                               | Linux Ubuntu 22.04                                                                          |
| Power                                                                                                                                                                                                               |                                                                                             |
| Power Adapter                                                                                                                                                                                                       | 60W (12V 5A, Default)                                                                       |
| Power Supply Voltage                                                                                                                                                                                                | DC 12~36V                                                                                   |
| 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 | 400 (W) x 249 (H) x 50 (D) mm                                    |
| Weights    | 2.3 kg                                                           |
| Mounting   | VESA Mount (75mm x 75mm/100mm x 100mm)<br>Panel Mount (optional) |

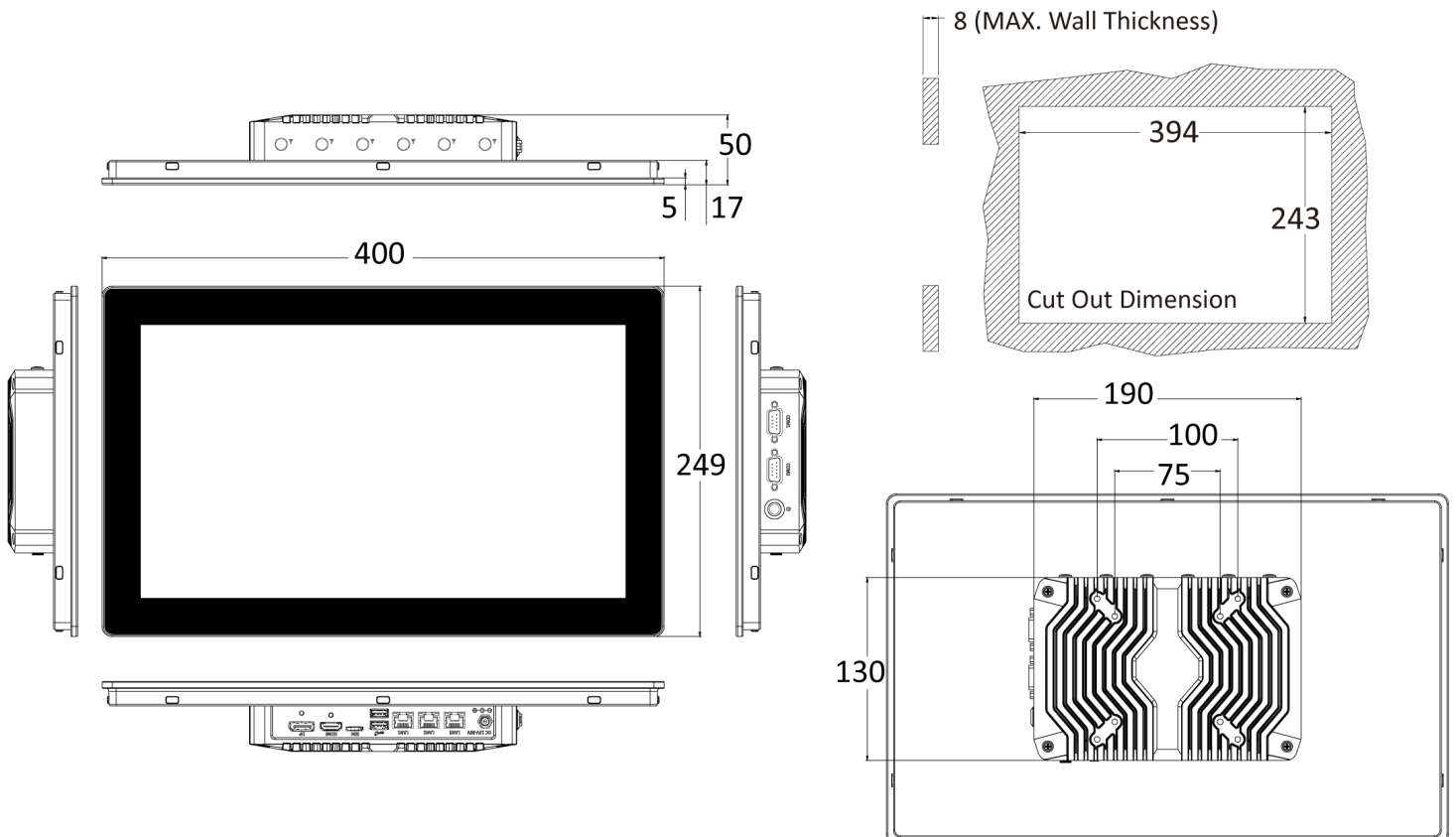
\* All specifications and photos are subject to change without notice.

External I/O Mechanical Layout



Dimension

Unit: mm



## 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>                                                                     |

## Available Models

| Model No.             | Description                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| AIO-W215-3L-N97-P     | 15.6" Full HD Capacitive IP65 All In One Touchscreen Computer with Intel® N97 Processor, 3x LAN, 2x USB, 2x COM, 1x DP, 1x HDMI           |
| AIO-W215-3L-X7835RE-P | 15.6" Full HD Capacitive IP65 All In One Touchscreen Computer with Intel® Atom® x7835RE Processor, 3x LAN, 2x USB, 2x COM, 1x DP, 1x HDMI |

## Optional Accessories

| Model No.     | Description                                |
|---------------|--------------------------------------------|
| 1-E09A06012   | Adapter Output 12V 5A 60W / Input 100-240V |
| 3-WIFI0801S10 | WIFI 6E Module KIT, Intel, 2T2R & BT 5.3   |
| 1-TCOM00041   | COM cable (CT-240125-01/CHEN PERNG)        |
| 3-AI156040S10 | AIO-W215 Panel Mount Bracket Kit           |
| 1-TPWR00118   | 3P Terminal Block (Female) To DC Plug      |
| 3-AI101011S10 | AIO Series 2.5" SSD, Cable, Bracket        |

## Packing List

1x AIO-W215-ASL-3L Series Touchscreen Computer  
1x Adapter Output 12V 5A  
1x 128G M.2 B-Key SATA SSD  
1x 8GB DDR5 4800 MT/s

## Exports And Tariff Codes

|           |              |
|-----------|--------------|
| ECCN      | 5A992.c      |
| HTS       | 8471.50.0150 |
| ScheduleB | 84.71        |

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