



OPEN FRAME TOUCHSCREEN COMPUTER

# H10-W210-ADL

10.1" WXGA Capacitive IP65 Open Frame Touchscreen Computer With 12th Gen Intel® N Series Processor, 2x LAN, 4x USB, 1x DP, 1x HDMI



## Features

- 10.1" (16:10) WXGA Open Frame Touchscreen Computer
- World Class Certifications for Safety and Reliability: CE/FCC
- Front IP65 Rating for protection against water and dust
- Scratch Resistant 7H Glass Hardness
- Versatile Display Outputs; HDMI and DP
- Backlight lifetime Up to 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                                             |
| Display Port                    | 1x DP, support 4096 x 2304 Real 4K @60Hz                 |
| HDMI                            | 1x HDMI, support 3840 x 2160 UHD@30Hz                    |
| LVDS                            | Default touchscreen LCD, support 1920 x 1200 WUXGA @60Hz |
| Multiple Display                | Triple Independent Displays                              |

| Touch            |                     |
|------------------|---------------------|
| Touch Type       | 10-Point PCAP Touch |
| Surface Hardness | 7H / IK07           |

| System         |                                                                                                      |
|----------------|------------------------------------------------------------------------------------------------------|
| Processor      | Intel® Processor N97 6M Cache, up to 3.60 GHz                                                        |
| System Chipset | SoC integrated                                                                                       |
| System Memory  | 1x DDR5 4800 MT/s SO-DIMM. Max. 16GB                                                                 |
| LAN Chipset    | GbE1: Intel I225-V (Support Wake-on-LAN and PXE)<br>GbE1: Intel I225-V (Support Wake-on-LAN and PXE) |
| Audio Codec    | Realtek ALC897                                                                                       |
| BIOS           | AMI uEFI 8Mbit SPI BIOS                                                                              |
| Watchdog       | Software Programmable Supports 1~255 sec. System Reset                                               |

| Storage |                              |
|---------|------------------------------|
| M.2     | 128G M.2 B-Key SSD (Default) |

| Expansion |                                         |
|-----------|-----------------------------------------|
| M.2       | 1x M.2 E Key Support WiFi 6e (Optional) |

| I/O    |                                                  |
|--------|--------------------------------------------------|
| COM    | 2x RS-232/422/485                                |
| USB    | 6x USB 2.0 by internal cable<br>4x USB 3.2 Gen 2 |
| LAN    | 2x 2.5GbE LAN                                    |
| Audio  | 1x Audio out                                     |
| Others | Support 2x Pifa Antenna (optional)               |

| Operating System |                         |
|------------------|-------------------------|
| Windows          | Windows 10 / Windows 11 |
| Linux            | Linux Ubuntu 22.04      |

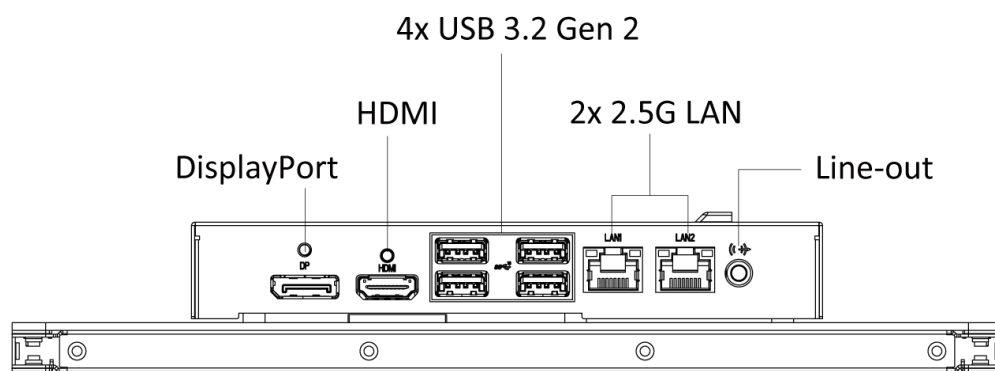
| Power                |                       |
|----------------------|-----------------------|
| Power Adapter        | 60W (12V 5A, Default) |
| Power Supply Voltage | DC 9~36V              |
| Power Connector      | DC Jack 5.5mm/2.5mm   |

| Environment           |                                            |
|-----------------------|--------------------------------------------|
| Operating Temperature | -10°C to 50°C                              |
| Storage Temperature   | -20°C to 60°C                              |
| Relative Humidity     | 10% to 80% (non-condensing)                |
| Certification         | CE, FCC Class A                            |
| Vibration             | With SSD: 3 Grms (5 - 500 Hz, 0.5 hr/axis) |
| Shock                 | With SSD: 20G half-sin 11ms                |

| Physical   |                               |
|------------|-------------------------------|
| Dimensions | 252 (W) x 166 (H) x 39 (D) mm |

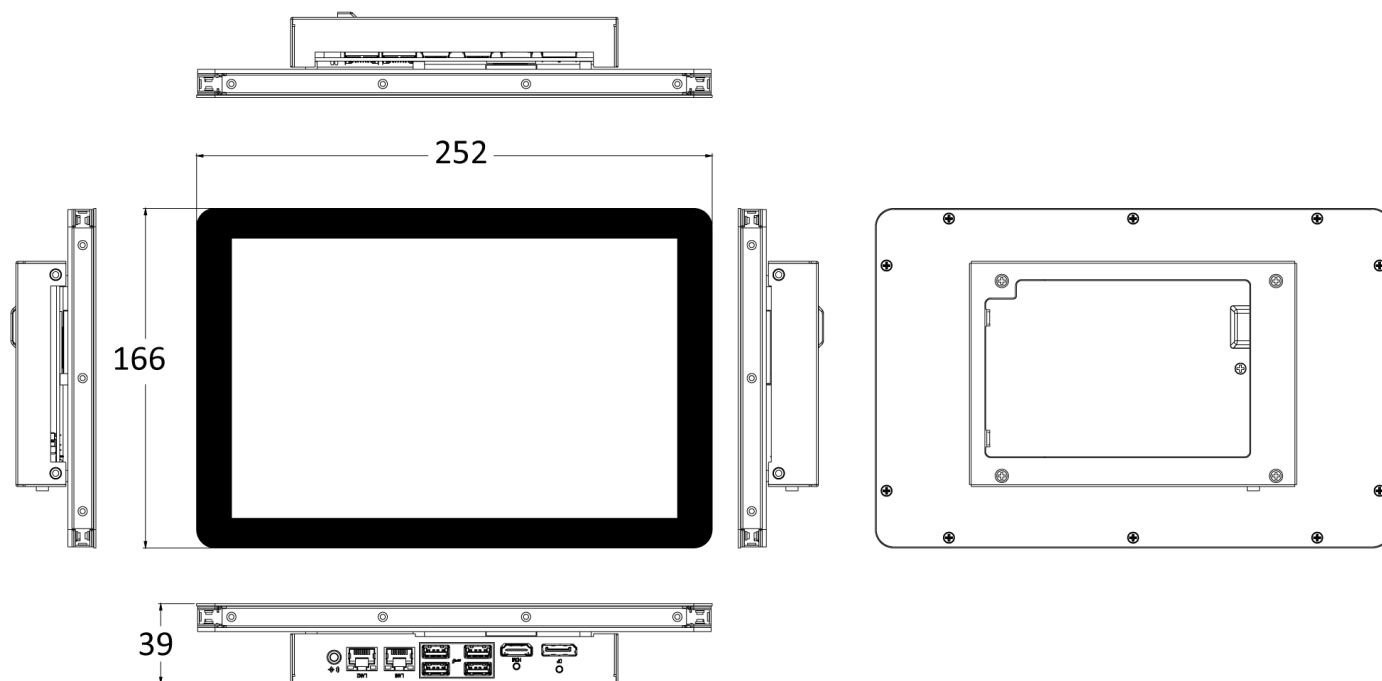
|          |                                    |
|----------|------------------------------------|
| Weights  | 1.3 kg                             |
| Mounting | Open Frame Panel Mount, Wall Mount |

## 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>                                                                                      |

## Available Models

| Model No.      | Description                                                                                                                                          |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| HIO-W210-N97-P | 10.1" WXGA Capacitive IP65 Open Frame Touchscreen Computer With 12th Gen Intel® N Series Processor, 2x LAN, 4x USB, 1x DP, 1x HDMI, w/ Power Adapter |
| HIO-W210-N97   | 10.1" WXGA Capacitive Open Frame Touchscreen Computer with Intel® Alder Lake N97 Processor                                                           |

## Optional Accessories

| Model No.     | Description                                |
|---------------|--------------------------------------------|
| 1-E09A06012   | Adapter Output 12V 5A 60W / Input 100-240V |
| 3-WIFI0701S10 | WIFI 6E Module KIT, Intel, 2T2R & BT 5.3   |
| 1-TCOM00046   | COM Cable (ST-2403064/SHININ TECH)         |
| 1-TUSB00066   | Dual USB 2.0 Cable (M-6133/CABLING)        |
| 3-HI101040S10 | HIO-W210C/W215C Series Wall Mount Kit      |
| 3-HI101011S10 | HIO Series 2.5" SSD, Cable, Bracket        |

## Packing List

1x HIO-W210-ADL-N97 Open Frame Touchscreen Computer  
1x DC jack to S4P Power Cable  
1x 128G M.2 B key SSD  
1x 8GB DDR5 4800 MT/s

## US Exports And Tariff Codes

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

## Premio Inc.

918 Radecki Ct., City of Industry  
CA 91748, United States  
Toll Free: 800.977.3646

## Premio Taiwan Inc.

18F, No.176, Jianyi Road, Zhonghe District,  
New Taipei City 235603, Taiwan  
Toll Free: 886.2.7731.7888

Email: [sales@premioinc.com](mailto:sales@premioinc.com)  
Website: <https://premioinc.com>