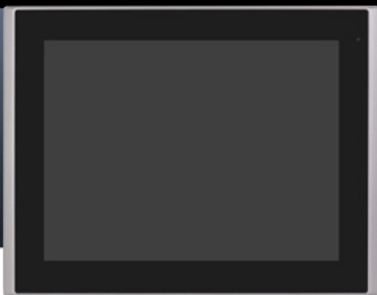


15.6" WXGA Fanless HMI Barebone with Intel Celeron J6412 (2.0 GHz) CPU  
1x DDR4 Slot, Projected Capacitive touch,, 9~36VDC Input with Adapter,  
Aluminum Chassis.

**MODEL: AHM1560-J**



## FEATURES:

- 15" Industrial Compact Size Panel PC
- Intel Celeron J6412 Processor
- 1 x 260-pin SO-DIMM DDR4 slot, up to 32GB 3200MHz
- Flat Front Panel Touch Screen with IP66 Front Bezel
- Support Expansion via Full-size Mini-PCle and M.2 slots
- Support TPM2.0 Hardware Security
- RAM: 8GB DDR4 2133/2400/2666/3200 SO-DIMM
- Storage: TS128GMTS560T/M.2/128G/3D TLC/SATA3/2242/B+M Key/TRANSCEND/-20~75 DEGREE
- DC 9~36V Wide Range Power Input
- High Brightness: 1366x768 LCD 1000nits (support -20~60C)
- OS: Linux



## SPECIFICATION:

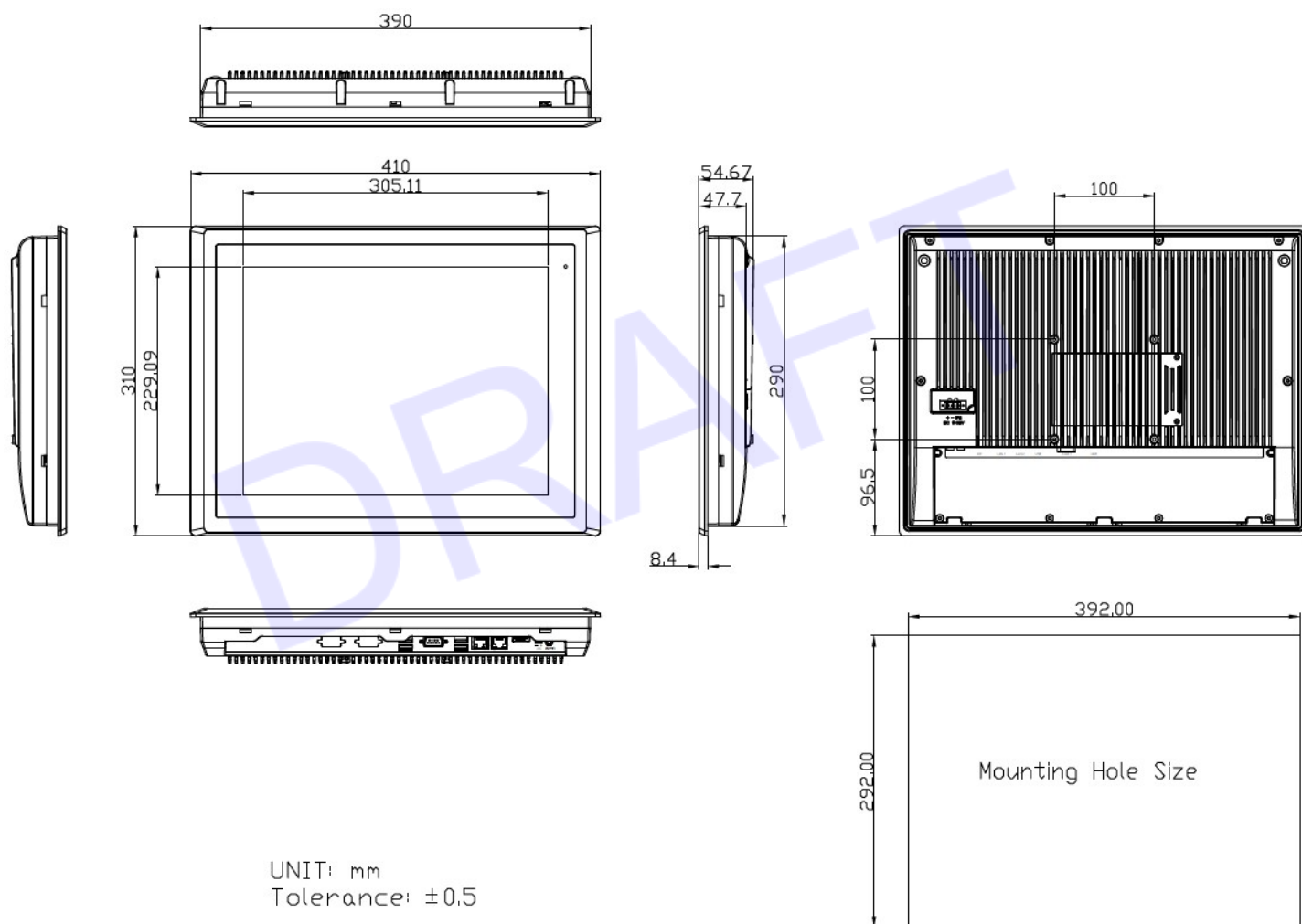
|                                |  |
|--------------------------------|--|
| <b>System</b>                  |  |
| CPU                            | Intel Celeron J6412 Processor (2.0 GHz, 1.5MB L2 cache)  |
| System Chipset                 | SoC  |
| Memory                         | 1 x 260-pin SO-DIMM up to 32GB DDR4 3200MHz  |
| <b>I/O Port</b>                |  |
| TPM                            | TPM 2.0  |
| USB                            | 2 x USB 3.2 Gen2 type<br>2 x USB 2.0 type A  |
| Serial / Parallel              | 1 x RS-232/422/485 (Default RS-232; select via BIOS)   |
| Audio                          | 1 x Audio Line Out   |
| LAN                            | 2 x 2.5GbE LAN RJ-45   |
| DP                             | 1 x DP, support DP++   |
| Power                          | 1 x 3-pin Terminal Block Connector<br>1 x 2-pin Power Switch Connector   |
| Option                         | VESA Stand<br>4G LTE / WiFi 4/5/6+ / BT<br>4 x USB 2.0 type A (TB-528U4)<br>4 x USB 2.0 type A + 1 x Mini-PCle + 1 x SIM slot (TB-528U4ME1)<br>2 x COM (RS-232) (TB-528C2)<br>1 x COM (RS-232) + 2 x USB 2.0 (TB-528C1U2)<br>1 x COM (RS-232) + 2 x USB 2.0 + 1 x Power Button (TB-528C1U2P1)<br>2 x COM (RS-232) + 1 x Mini-PCle slot + 1 x SIM slot (TB-528C2ME1)<br>2 x COM (RS-422/485, isolated) (TB-528C2I)<br>2 x CAN (TB-528CAN2)<br>1 x LAN + 2 x USB 2.0 type A (TB-528E1U2)<br>1 x 2W Speaker<br>1 x Auto Dimming |
| <b>Storage Space</b>           |  |
| Storage                        | 1 x M.2 B-Key slot (Support SATA3; 2242/2280, Default 2242)  |
| <b>Expansion</b>               |  |
| Onboard Expansion Bus          | 1 x Mini-PCle slot (full size)<br>1 x M.2 E-key<br>1 x Nano SIM Card Holder  |
| <b>Display</b>                 |  |
| Display Type                   | High Brightness<br>15" TFT-LCD   |
| Max. Resolution                | 1024x768   |
| Max. Color                     | 16.7M  |
| Luminance (cd/m <sup>2</sup> ) | 1000   |
| View Angle                     | 176(H) / 176(V)  |
| Contrast                       | 3000:1   |
| Backlight Lifetime             | 70,000 hrs   |
| <b>Touch Screen</b>            |  |
| Type                           | Projected Capacitive Touch   |
| Interface                      | USB  |
| Light Transmission(%)          | Projected Capacitive Touch: 90%  |

|                            |                                 |
|----------------------------|---------------------------------|
| <b>Power</b>               |                                 |
| Power Input                | DC 9~36V                        |
| Power Consumption          | TBD                             |
| <b>Mechanical</b>          |                                 |
| Construction               | Aluminum Die-casting Chassis    |
| Mounting                   | Panel Mount, VESA 100 x 100     |
| Dimensions (WxHxD)         | 410 x 310 x 54.67 mm            |
| IP Rating                  | IP66 Compliant Front Bezel      |
| Net Weight                 | TBD                             |
| <b>Environmental</b>       |                                 |
| Operating Temperature      | -20~60°C                        |
| Storage Temperature        | -30~70°C                        |
| Humidity                   | 10 to 95%@ 40°C, non-condensing |
| Certificate                | Meet CE/FCC class A             |
| <b>Operating Support</b>   |                                 |
| Windows 10 IoT, Windows 11 |                                 |

*\*Specifications subject to change without notice, not responsible for typographical errors.*

## DIMENSION:

*This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.*



UNIT: mm  
Tolerance: ±0.5

Drawing No.: AHM1560-J-10032023-V1