

# IDS-310AI

## Fanless Ultra Compact Size AI Digital Signage System



### Features

- » Intel® Celeron® J3455 1.5GHz (up to 2.3GHz, quad-core, TDP 10W)
- » Two GbE LAN ports
- » Triple USB 3.2 Gen1
- » M.2 A-key slot for expansion
- » Pre-installed a Mustang-MPCIe-MX2 that has two Intel Myriad X VPU for AI deep learning workload consolidation

### Specifications

| Form factor                 |  |
|-----------------------------|--|
| SBC Form Factor             | <ul style="list-style-type: none"> <li>» CPU:</li> </ul>             |
|                             | Intel® Celeron® J3455 1.5GHz   |
|                             | (up to 2.3GHz, quad-core, TDP 10W)                                   |
|                             | <ul style="list-style-type: none"> <li>» Chipset:</li> </ul>         |
|                             | SoC  |
|                             | <ul style="list-style-type: none"> <li>» System Memory:</li> </ul>   |
|                             | 1 x 204-pin DDR3L SO-DIMM, 8 GB pre-installed                        |
|                             | <ul style="list-style-type: none"> <li>» Power:</li> </ul>           |
|                             | DC Jack: 12V DC  |
|                             | Consumption:   |
|                             | 12V @ 2.6A (Intel® Celeron® J3455 with 8GB memory)                   |
|                             | <ul style="list-style-type: none"> <li>» Reliability:</li> </ul>     |
|                             | Operating Shock: Half-sine wave shock 5G, 11ms, 100 shocks per axis, |
|                             | IEC68-2-27   |
|                             | Operating Vibration: MIL-STD-810G 514.6C-1 (SATADOM)                 |
|                             | Safety/EMC: CE/FCC   |
| I/O Interface               |  |
| I/O Ports                   | <ul style="list-style-type: none"> <li>» USB:</li> </ul>             |
|                             | 3 x USB 3.2 Gen1   |
|                             | <ul style="list-style-type: none"> <li>» Ethernet:</li> </ul>        |
|                             | 2 x RJ-45 PCIe GbE by RTL8111H controller                            |
|                             | <ul style="list-style-type: none"> <li>» COM Port:</li> </ul>        |
|                             | 1 x RS-232/422/485 with AFC (DB-9)                                   |
|                             | <ul style="list-style-type: none"> <li>» Display:</li> </ul>         |
|                             | 3 x HDMI™ (up to 3840x2160@30Hz)                                     |
|                             | <ul style="list-style-type: none"> <li>» Audio:</li> </ul>           |
|                             | 1 x Mic in, 1 x Line out   |
|                             | <ul style="list-style-type: none"> <li>» TPM:</li> </ul>             |
|                             | 1 x TPM2.0   |
| Expansion Slots             |  |
| Expansion Slots             | <ul style="list-style-type: none"> <li>» M.2:</li> </ul>             |
|                             | 1 x 2230 A key (PCIex1/USB 2.0)                                      |
|                             | <ul style="list-style-type: none"> <li>» PCIe Mini:</li> </ul>       |
|                             | Pre-installed Mustang-MPCIe-MX2                                      |
| System                      |  |
| Cooling method / System Fan | Fanless  |

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Drive Bays                      | SATADOM: Pre-installed 128GB         |
|                                 | Micro SD: 1 x Micro SD Slot          |
| <b>Indicator&amp;Buttons</b>    |                                      |
| Buttons                         | 1 x Power Button                     |
|                                 | 1 x Reset Button                     |
|                                 | 1 x AT/ATX Switch                    |
| Indicators                      | HDD                                  |
|                                 | Power                                |
| <b>Physical Characteristics</b> |                                      |
| Construction                    | Extruded aluminum alloy              |
| <b>Color</b>                    |                                      |
| Color                           | Brown & Silver                       |
| <b>Dimensions</b>               |                                      |
| Dimensions                      | 137 x 102.8 x 49.2 mm                |
| <b>Weight</b>                   |                                      |
| Weight                          | 910g/1.7kg                           |
| <b>Environment</b>              |                                      |
| Operating Temperature           | -20°C ~ 45°C with air flow (SATADOM) |
| Humidity                        | 10% ~ 95%, non-condensing            |

## Ordering Information

|                         |   |
|-------------------------|---|
| IDS-310AI-AL-J1/8GB-R10 | Fanless embedded system with Intel® Celeron® J3455 1.5GHz (up to 2.3GHz, quad core, TDP 10W), pre-installed 8GB DDR3L memory, triple HDMI™ display, 12V DC, 128G SATADOM, Mustang-MPCI-E-MX2 and RoHS |
|-------------------------|---|

## Packing List

|                       |                |
|-----------------------|----------------|
| 1 x 36w Power Adapter | 1 x Power Cord |
| 1 x Wall mounting kit | 1 x Screw kit  |