

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"> » CPU: |
| | Intel® Celeron® J3455 1.5GHz |
| | (up to 2.3GHz, quad-core, TDP 10W) |
| | <ul style="list-style-type: none"> » Chipset: |
| | SoC |
| | <ul style="list-style-type: none"> » System Memory: |
| | 1 x 204-pin DDR3L SO-DIMM, 8 GB pre-installed |
| | <ul style="list-style-type: none"> » Power: |
| | DC Jack: 12V DC |
| | Consumption: |
| | 12V @ 2.6A (Intel® Celeron® J3455 with 8GB memory) |
| | <ul style="list-style-type: none"> » Reliability: |
| | 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"> » USB: |
| | 3 x USB 3.2 Gen1 |
| | <ul style="list-style-type: none"> » Ethernet: |
| | 2 x RJ-45 PCIe GbE by RTL8111H controller |
| | <ul style="list-style-type: none"> » COM Port: |
| | 1 x RS-232/422/485 with AFC (DB-9) |
| | <ul style="list-style-type: none"> » Display: |
| | 3 x HDMI™ (up to 3840x2160@30Hz) |
| | <ul style="list-style-type: none"> » Audio: |
| | 1 x Mic in, 1 x Line out |
| | <ul style="list-style-type: none"> » TPM: |
| | 1 x TPM2.0 |
| Expansion Slots | |
| Expansion Slots | <ul style="list-style-type: none"> » M.2: |
| | 1 x 2230 A key (PCIex1/USB 2.0) |
| | <ul style="list-style-type: none"> » PCIe Mini: |
| | Pre-installed Mustang-MPCIE-MX2 |
| System | |
| Cooling method / System Fan | Fanless |

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

Ordering Information

| | |
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| 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-MPCIE-MX2 and RoHS |
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Packing List

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