

# 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	» CPU:
	Intel® Celeron® J3455 1.5GHz
	(up to 2.3GHz, quad-core, TDP 10W)
	» Chipset:
	SoC
	» System Memory:
	1 x 204-pin DDR3L SO-DIMM, 8 GB pre-installed
	» Power:
	DC Jack: 12V DC
	Consumption:
	12V @ 2.6A (Intel® Celeron® J3455 with 8GB memory)
	» 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	» USB:
	3 x USB 3.2 Gen1
	» Ethernet:
	2 x RJ-45 PCIe GbE by RTL8111H controller
	» COM Port:
	1 x RS-232/422/485 with AFC (DB-9)
	» Display:
	3 x HDMI™ (up to 3840x2160@30Hz)
	» Audio:
	1 x Mic in, 1 x Line out
	» TPM:
	1 x TPM2.0
Expansion Slots	
Expansion Slots	» M.2:
	1 x 2230 A key (PCIex1/USB 2.0)
	» 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
<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
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## Packing List

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