

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
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

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