

# ITG-100AI

## Fanless Ultra Compact Size AI Embedded System



### Features

- » Intel®Atom™ x5-E3930 1.3GHz (up to 1.8 GHz)
- » Two GbE LAN ports
- » Two RS-232/422/485
- » M.2 A-key slot for WiFi Module
- » Pre-installed Mustang-MPCIe-MX2, 2 x Intel Myriad X VPU for AI deep learning workload consolidation

### Specifications

Form factor	
SBC Form Factor	<ul style="list-style-type: none"> <li>» CPU: Intel® Atom™ x5-E3930 1.3GHz (up to 1.8 GHz, dual core, TDP=6.5W)</li> <li>» Chipset: SoC</li> <li>» System Memory: 1x 204-pin DDR3L SO-DIMM slot pre-installed with 8 GB memory</li> <li>» Power: Input : 2-pin terminal block: 9~36V DC-in</li> <li>» Reliability: Operating Shock: Half-sine wave shock 5G, 11ms, 100 shocks per axis, IEC68-2-27 Operating Vibration: MIL-STD-810G 514.6C-1 Safety/EMC: CE/FCC</li> </ul>
I/O Interface	
I/O Ports	<ul style="list-style-type: none"> <li>» USB: 2 x USB 3.0</li> <li>» Ethernet: 2 x RJ-45 PCIe GbE by Intel® I211 controller</li> <li>» COM Port: 2 x RS-232/422/485 (DB-9/RJ45)</li> <li>» Display: 1 x VGA</li> </ul>
Expansion Slots	
Expansion Slots	<ul style="list-style-type: none"> <li>M.2: 1 x M.2 A key 2230 (PCIe by 1, USB2.0)</li> <li>PCIe Mini: Pre-installed Mustang-MPCIe-MX2</li> </ul>
System	
Cooling method / System Fan	Fanless
Drive Bays	<ul style="list-style-type: none"> <li>SATADOM: Pre-installed 128GB</li> <li>eMMC: 1 x eMMC 5.0 support (up to 32GB optional)</li> <li>Micro SD: 1 x Micro SD Slot</li> </ul>
Indicator&Buttons	

Buttons	1 x Power Button
	1 x Reset Button
	1 x AT/ATX Switch
Indicators	1 x LED for HDD (Yellow)
	1 x LED for Power (Green)
<b>Physical Characteristics</b>	
Construction	Extruded aluminum alloy
<b>Color</b>	
Color	Blue & Silver
<b>Dimensions</b>	
Dimensions	137 x 102.8 x 49.4 (WxDxH) (mm)
<b>Environment</b>	
Operating Temperature	-20°C ~ 50°C with air flow
Humidity	10% ~ 95%, non-condensing

## Ordering Information

ITG-100AI-E1/8GB/S-R10	Fanless embedded system, Intel®Apollo Lake x5-E3930 1.3GHz (up to 1.8GHz, dual core), 8GB DDR3L pre-installed memory, VGA, M.2, COM, 9-36V DC, Mustang-MPCIE-MX2 and RoHS
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## Packing List

1x 36w Adapter	1x Power Cable
1x Power Cord	1 x Screw kit
1 x Din-rail mounting bracket	1 x RJ-45 to DB-9 COM port cable