

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 | » CPU: |
| | Intel® Atom™ x5-E3930 1.3GHz (up to 1.8 GHz, dual core, TDP=6.5W) |
| | » Chipset: |
| | SoC |
| | » System Memory: |
| | 1x 204-pin DDR3L SO-DIMM slot pre-installed with 8 GB memory |
| | » Power: |
| | Input : 2-pin terminal block: 9~36V DC-in |
| | » 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 |
| I/O Interface | |
| I/O Ports | » USB: 2 x USB 3.0 |
| | » Ethernet:2 x RJ-45 PCIe GbE by Intel® I211 controller |
| | » COM Port:2 x RS-232/422/485 (DB-9/RJ45) |
| | » Display:1 x VGA |
| Expansion Slots | |
| Expansion Slots | M.2: |
| | 1 x M.2 A key 2230 (PCIe by 1, USB2.0) |
| | PCIe Mini: |
| | Pre-installed Mustang-MPCIe-MX2 |
| System | |
| Cooling method / System Fan | Fanless |
| Drive Bays | SATADOM: Pre-installed 128GB |
| | eMMC: 1 x eMMC 5.0 support (up to 32GB optional) |
| | Micro SD: 1 x Micro SD Slot |
| 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) |
| Physical Characteristics | |
| Construction | Extruded aluminum alloy |
| Color | |
| Color | Blue & Silver |
| Dimensions | |
| Dimensions | 137 x 102.8 x 49.4 (WxDxH) (mm) |
| Environment | |
| 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-MPCI-E-MX2 and RoHS |
|------------------------|--|

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 |