

Specifications

Model Name		ITG-100AI	
AI Accelerator card	Model Name	Mustang-MPCIE-MX2	
	Main Chip	2 x Intel® Movidius™ Myriad™ X MA2485 VPU	
	Suupport Topology	AlexNet, GoogleNetV1/V2, Mobile_SSD, MobileNetV1/V2, MTCNN, Squeezenet1.0/1.1, Tiny Yolo V1 & V2, Yolo V2, ResNet-18/50/101	
Chassis	Color	Blue & Silver	
	Dimensions (WxDxH)(mm)	137 x 102.8 x 49.4	
	System Fan	Fanless	
	Chassis Construction	Extruded aluminum alloy	
Motherboard	CPU	Intel® Atom™ x5-E3930 1.3 GHz (up to 1.8GHz, dual-core, TDP=6.5W)	
	Chipset	SoC	
	System Memory	1x 204-pin DDR3L SO-DIMM slot pre-installed with 8 GB memory	
Storage	SATADOM	Pre-installed 128GB	
	eMMC	1 x eMMC 5.0 support (up to 32GB optional)	
	Micro SD	1 x Micro SD Slot	
I/O Interfaces	USB 3.2 Gen 1 (5Gb/s)	2	
	Ethernet	2 x RJ-45 PCIe GbE by I211-AT controller	
	COM Port	2 x RS-232/422/485 (DB-9/RJ45)	
	Display	1 x VGA	
	Resolution	Up to 1920x1080@60Hz	
	Wireless	1 x 802.11a/b/g/n/ac (optional)	
	Others	1 x Power Button, 1 x Reset Button, 1 x AT/ATX Switch, 1 x LED for HDD (Yellow), 1 x LED for Power (Green)	
	Expansions	M.2	1 x M.2 2230 (A key, PCIe by 1, USB2.0)
	Power	Power Input	2-pin terminal block: 9~36V DC-in
	Reliability	Mounting	DIN-rail
Operating Temperature		-20°C ~ 50°C with air flow, 10% ~ 95%, non-condensing	
Storage Temperature		-20°C ~ 70°C with air flow, 10% ~ 90%, non-condensing	
Operating Shock		Half-sine wave shock 5G, 11ms, 100 shocks per axis, IEC68-2-27	
Operation Vibration		MIL-STD-810G 514.6C-1	
Safety / EMC		CE/FCC	
Watchdog Timer		Programmable 1~255 sec/min	
OS	Supported OS	Win10/Linux Ubuntu 16.04 LTS	

Ordering Information

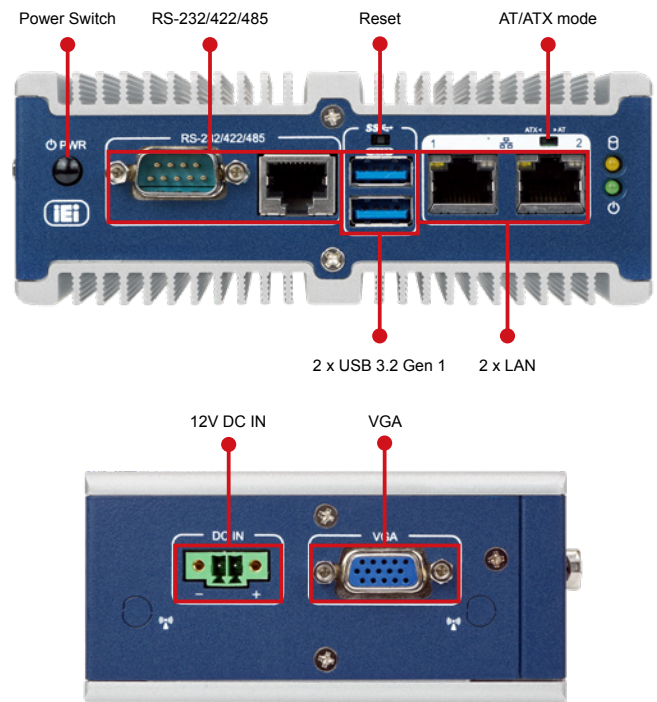
Part No.	Description
ITG-100AI-E1/8GB/S-R10	Fanless embedded system, Intel® Apollo Lake x5-E3930 1.3GHz (up to 1.8GHz, dual core), 8GB DDR3L pre-installed memory, VGA, M.2, COM, 9-36V DC, Mustang-MPCIE-MX2 and RoHS

Options

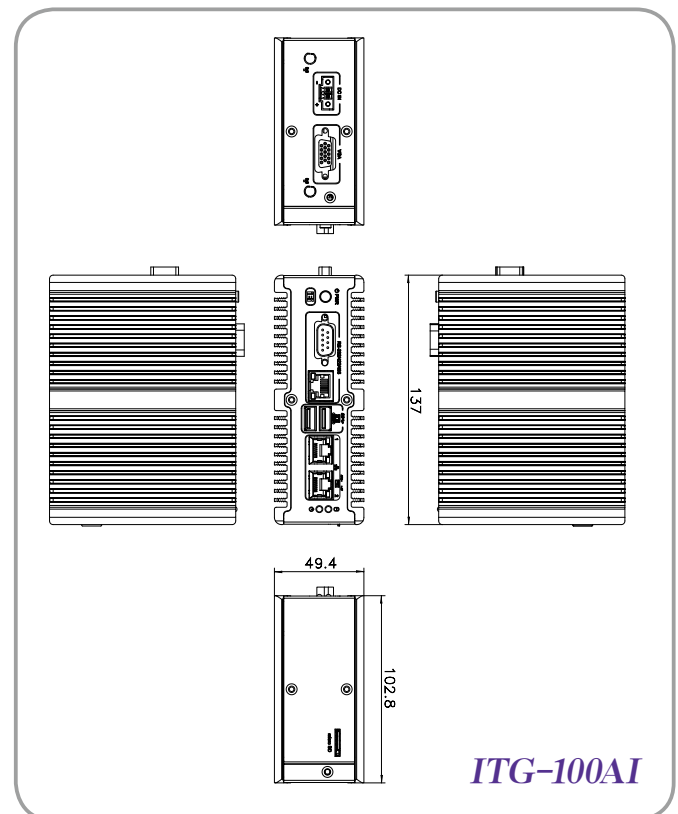
Item	Part No.	Description
Wi-Fi Module	27319-000007-RS*	Wireless Lan Module;WiFi+Bluetooth;Sparklan;R97018 1001;IEEE802.11a/b/g/n/ac;2.400GHz~2.484GHz,5.15 GHz~5.85GHz;M.2 2230;3.3V;22*30*2.0mm;Qualcomm Atheros QCA6174A-5;2x2 MIMO;Dual Band;WNFQ-258ACN(BT) [W];CCL;RoHS
Antenna	32505-000900-100-RS*	External Antenna;WLAN;RG 178;108MM;TANK-700-QM67-R10;PEAK GAIN 2.0DBI;Exceltek;2.4-2.5GHz/5.15-5.85GHz;REVERSE SMA PLUG;RoHS
RF Cable	32501-004000-100-RS*	RF;RF CABLE;LINE DIAMETER:0.81mm;250MM ;;;50Ω;Sparklan;0-6GHz;VSWR≤1.3;I-PEX MHF-4 Plug;REVERSE SMA JACK;NUT*1;WASHER*1;;RoHS

* Each Wi-Fi module needs two antennas and two RF cables to fully support Wi-Fi function.

Fully Integrated I/O



Dimensions (Unit: mm)



Packing List

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