ESIS Industrial Electronics
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ITA-3630

Intel® 3rd Generation Core™ i Processor Fanless System for Road Surveillance

Features

- Supports Intel® 3rd Generation Core™ i7/i5/i3 BGA type CPU
- Intel® HM76 PCH
- Support wide temperature -25° C ~ 60° C
- Supports three independent displays
- 2 x 2.5" HDD or 1 x 2.5" HDD+1 x Easy-swap CF/DOM
- Built-in fixed bracket with 2 x USB2.0 port for Dongle
- Supports 9 ~ 36V wide range DC input

Specifications

System Chipset	CPU	Intel i7-3555LE Processor	Intel i5-3610ME Processor	Intel i3-3210ME Processor	Intel Celeron 1020E Processor
	Max Speed	2.5 GHz	2.7 GHz	2.4 GHz	2.20 GHz
	L3 Cache	6 MB	4 MB	3 MB	2 MB
	Chipset	Intel HM76			
	BIOS	AMI SPI 64 Mb			
Memory	Technology	DDR3 1333/1600, non-ECC			
	On board memory	4 GB on board			
	Socket	1 x 204-pin SODIMM (up to 8GB per DIMM) Note: SODIMM and HDD Tray has mechanism interferences, only 1 x HDD or 1 x CF can be used when you request to expand memory size			
	Maximum Capacity	12 GB			
Display	Chipset	Intel Integrated Graphics HD4000, support Direct x11			
	VGA	1 x DB15, max resolution up to 2048 x 1536			
	HDMI	1 x HDMI, support HDMI1.4 standard, max to 1920 x 1200 @ 60Hz			
	LVDS	Built-in interface, support 48-bit dual channel Convert to real I/O via cable (Front panel, Option)			
	eDP	Box Header on board			
	Display Option	Dual Display: VGA+HDMI Triple Display: VGA+HDMI+eDP			
Ethernet	Controller	Intel I210-AT,10/100/1000 Mbps			
	Interface	2 x RJ-45			
Storage	HDD	Support 2 x 2.5" HDD or 2.5" HDD+CF module			
	SSD	1 x internal mSATA			
I/O	USB	2 x USB3.0 & 4 x USB2.0			
	Serial Port	2 x DB9, RS232/422/485 with automatic flow control			
	DIO	1 x DB9, 8-bit			
	Audio	2 (1 x Line-0ut, 1 x Mic-in)			
	PS2	1 x PS2			
	LPT	1 x DB26 (Front panel, option)			
Expansion Slot	Mini PCIe	1 x internal Mini PCIe (Full-Size)			
LED & Button	LED	Power x 1/Storage x 1/Fault x 1			
	Button	Power on/off Switch x 1 Reset button x 1			
Power	Input Voltage	DC wide range 9V ~ 36V input			
	Interface	2-pin terminal block			
Watchdog Timer	Output	System reset			
	Interval	Programmable 1~255 sec/min			
Environment	Vibration	CF/SSD: 2G @ 5 ~ 500 Hz, Random 1Oct./min, 1Hr/axis 2.0Grms @ 5 ~ 500 Hz, Sine 1Hr/axis	HDD: 2G @ 5 ~ 500 Hz, Random 1Oct./min, 1Hr/axis 1.0Grms @ 5 ~ 500Hz, Sine 1Hr/axis		IEC 60068-2-6 IEC 60068-2-64
	Operating Temperature	CF/SSD/mSATA, 0.7m/s air flow: -25 ~ 60° C	HDD: 0 ~ 40° C		IEC 60068-2-1/ IEC 60068-2-2/ IEC 60068-2-78
	Storage Temperature	-40 ~ 85° C			
	Humidity	20 ~ 95% @ 40° C (non-condensing)			
	Vibration	CF/SSD: 2 Grms @ 5 ~ 500 Hz, Random 1 Oct./min, 1hr/axis	HDD: 1 Grms @ 5 ~ 500 Hz, Random 1 Oct./min, 1hr/axis		IEC 60068-2-64
	Shock	20 G half sine, 11 ms	HDD: 20 G half sine, 11ms		IEC 60068-2-27
Mechanical Features	Dimension (W x H x D)	253 x 86.6 x 240 mm			
	Install	Desktop/Wall-mounting			
	Weight	4kg			
Certifications	EMC	CE/FCC Class A, CCC, BSMI			
	Safety	UL,CCC,BSMI			

All product specifications are subject to change without notice

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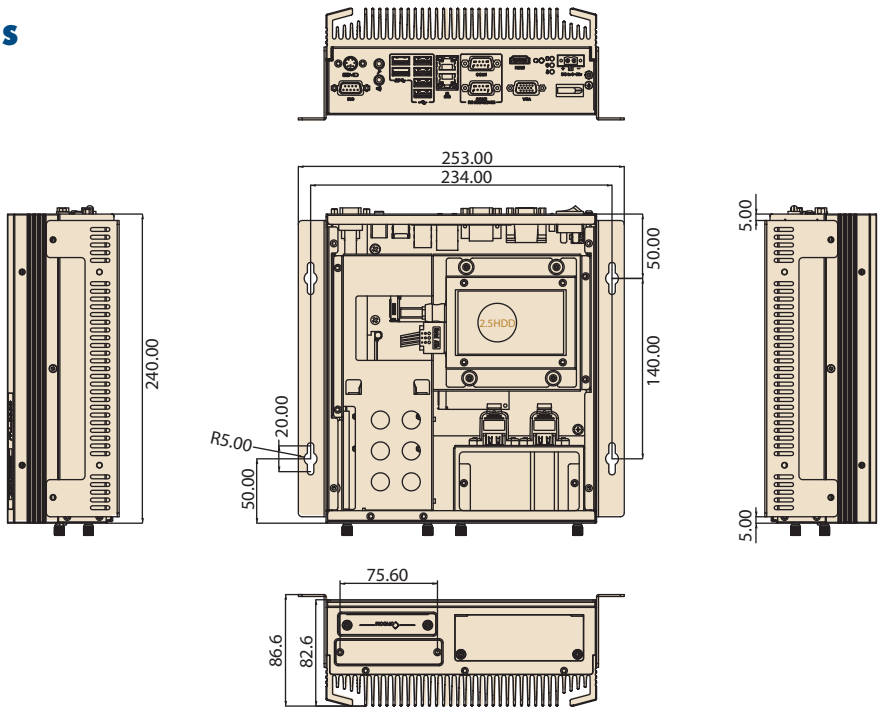
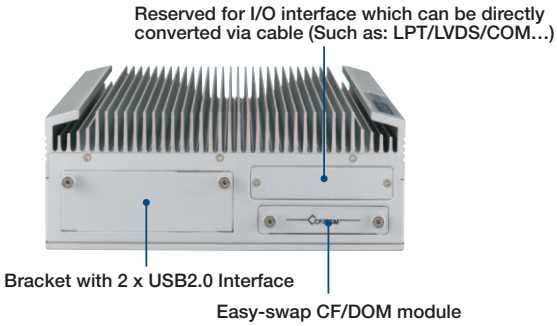
Dimensions

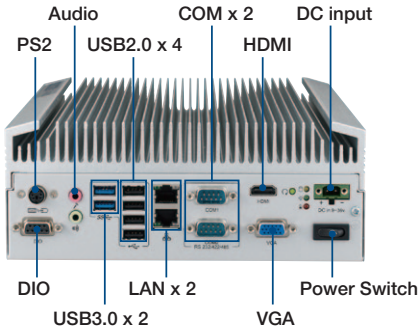
Unit: mm



I/O Front View



I/O Rear View



Ordering Information

Any other Gen2/Gen3 CPU type request, please consult your distributor or sales representative.

Part number	CPU (BGA)	Onboard Memory	2.5" HDD Tray	CF Tray	USB Dongle Bay	Ethernet	COM
ITA-3630-00A1E	i5-3610ME	4GB DDR3	2	No	Yes	2	2
ITA-3630-01A1E	i5-3610ME	4GB DDR3	1	Yes	Yes	2	2
ITA-3630-40A1E	Celeron 1020e	4GB DDR3	2	No	Yes	2	2
ITA-3630-70A1E	i7-3555LE	4GB DDR3	1	Yes	Yes	2	2
ITA-3630-30A1E	i3-3210ME	4GB DDR3	2	No	Yes	2	2

Packing List

Part No.	Description
-	1 x ITA-3630
2062363000	1 x Driver CD
200K363000	1 x Startup manual
1960059401N001	2 x Supporting-angels
1652002205	1 x 2-pin Terminal Block

Optional Accessory

Part No.	Description
1757003659	ADAPTER 100-240V 65W 19V 3.42A
1700001947	Power Cord 2P USA 7A 125V 1.8M
1700001948	Power Cord 2P Europe 2.5A 250V 1.8M
1700001949	Power Cord 2P UK 2.5A/3A 250V 1.8M
1700019592	Parallel cable/D-SUB 25P(F)/IDE#2 26P-2.0 15cm
1700020692-01	LVDS cable/D-SUB 26P(F)/2*20P-1.25 15cm