

Fanless Box Computer, KMDA Series

KMDA-3230

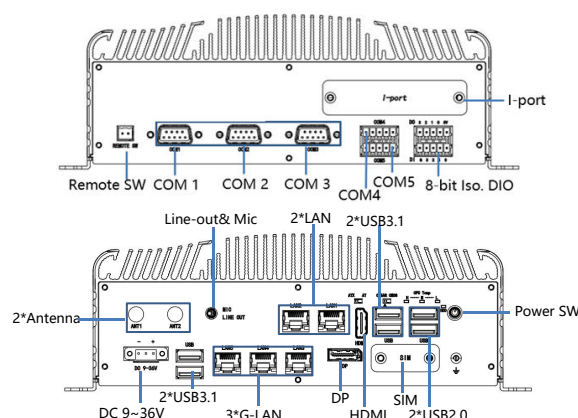
Intel® Whiskey lake U CPU, 2-CH DDR4, 1*HDMI, 1*DP, 5*G-LAN, 5*COM, 4*USB3.1, 2*USB2.0, DC 9~36V



Key Features

- Aluminum chassis, Fanless design
- Intel® Core™ i3/i5/i7/Celeron U CPU
- 2*DDR4 2400MHz SODIMM, Up to 32GB
- 1*HDMI, 1*DP, Support dual 4K display
- 1*Line out&Mic, 4*USB3.1, 2*USB2.0
- 5* GbE LAN, 5*COM, 8-bit Iso DIO
- 1*mSATA, 1*2.5" SATA tray for storage
- 1*M.2, 2230 E-Key, 1*Mini-PCIe, 1*SIM Slot
- DC 9~36V Wide Power Input

KMDA-3230 is a fanless Box Computer, It's equipped with the Intel® Whiskey lake U architecture. It powered by the 8th generation Intel® core™ i3/i5/i7/Celeron U series processors, 2-Ch DDR4, 2* SO-DIMM up to 32GB. 1*HDMI, 1*DP, dual 4K display interface, 1*Line out&Mic high fidelity audio interface. It not only has rich IO interface, but also has multiple extension interface, 1*M.2 support NGFF-2230, 1*Mini PCIe with 1*SIM card slot, support 3G/4G/Wifi/ BT/ GPRS wireless functions, and easy to remove. 1*mSATA, 1*SATA3.0 for storage. DC 9~36V wide power input, The aluminum profile bottom shell design is good for heat dissipation of hard disk. The machine is small, powerful and delicate, suitable for industrial Internet of things, machine vision and other applications.



SPEC.

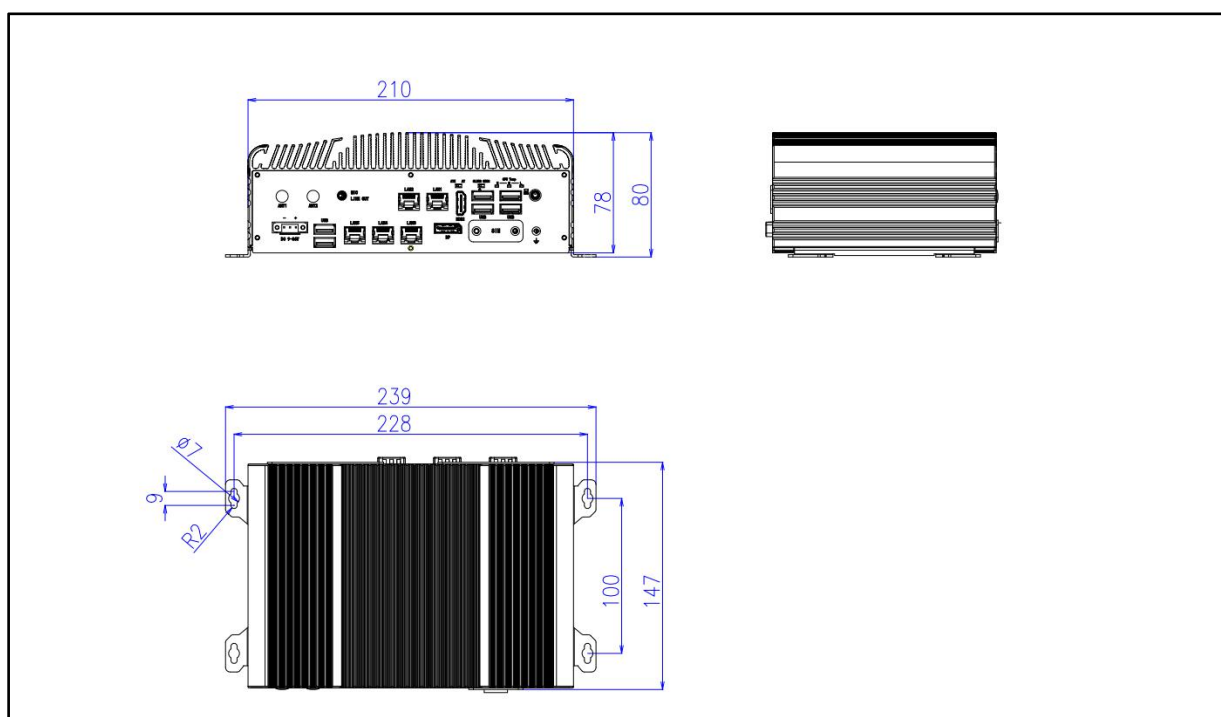
System	CPU		Celeron 4305U	Core I3-8145U	Core I5-8265U	Core I7-8565U
		Cores	2	2	4	4
		Threads	2	4	8	8
		Frequency(GHz)	2.2	2.1-3.9	1.6-3.9	1.8-4.6
System	System Memory	Dual channel DDR4 2400MHz SO-DIMM, up to 32GB				
	Expansion	1* M.2 E-key 2230, with PCIe X1+ USB2.0 signal, expansion of Wifi/BT module 1* Full Mini PCIe, with SIM slot, PCIe X1+ USB2.0 signal, support 3G/4G/Wifi/ BT/ GPRS wireless functions				
	Display	Intel® gen.9 UHD Graphics, supports dual independent display 1*HDMI max. res. 4096* 2304@24hz 1*DP max. res. 4096* 2304@60hz				
	Aduio	Realtek ALC662VD controller, 1*Line out&Mic high fidelity audio interface, support 5.1 channel				
	LAN	4*Intel® I210AT PCIe Gig. Ethernet, 10/100/1000Mbps adaptive; 1*Intel® I219LM, support iAMT12.0				
	Storage	1*2.5" SATA port, 1*Full mSATA, support AHCI				
	I/O ports	3*COM (RS232), 2*COM (RS485) 4*USB3.1, 2*USB2.0 5*G-LAN (RJ45), 1*SIM slot 1*HDMI, 1*DP, 1*Line out & Mic (Phone jack) 1*Remote SW, 8-bit Iso. DIO				
	I-port	1* I-port reserved interfaces, can support extended 2*USB2.0, Mini-PCIe, M.2 and other functional module interfaces				
	LED	1*Power LED, 1*HDD LED, 3*CPU temp. LED (Red is warning, Yellow is high, Green is normal)				
	Control SW	1*Power button, 1*AT/ATX Select SW, 1*Clear CMOS Select SW				
	Power Supply	3-pin ter. connector, DC 9~36V wide power input, Consumption: 12V/2.5A (I5-8265U CPU, 8GB DDR4)				
	Watchdog Timer	Watchdog timeout programmable via software 1 to 255 second				
	OS Support	Windows 10, SUSE, Ubuntu, Wind River, Red Hat Enterprise				

*All specifications and photos are subject to change without notice.

Mechanical	Structure	Aluminum chassis, SGCC frame
	Color	Silver grey
	Mounting	Desktop Mounting
	Dimension	(W*D*H) : 210*147*78mm
	Net weight	2.29KG
Environmental	Operating temperature	-20℃~70℃, with wide operating temp. SSD, airflow
	Storage Temperature	-40℃~+85℃
	Storage Humidity	10~90%@40℃, Non-condensing
	Vibration	5grms/5~500Hz/random/in working(SSD); 1grms/5~500Hz/random/in working(HDD)
	Shock	50g peak acceleration(11ms duration)(SSD); 20g peak acceleration(11ms duration)(HDD)
	Certification/EMC	CE/FCC Class B

Dimension

Unit:mm



Ordering Info.

Model No.	CPU	Introduction
KMDA-3230/S001	Intel® Core I3-8145U	Fanless Box Computer, Dual channel DDR4 2*SO-DIMM, 1*HDMI, 1*DP, 1*Line out&Mic, 5*LAN, 4*USB3.1, 2*USB2.0, 5*COM, 8-bit DIO, 1*M.2, 1*Mini PCIe, 1*SIM slot, 1*mSATA, 1*2.5"SATA, DC9~36V
KMDA-3230/S002	Intel® Core I5-8265U	Fanless Box Computer, Dual channel DDR4 2*SO-DIMM, 1*HDMI, 1*DP, 1*Line out&Mic, 5*LAN, 4*USB3.1, 2*USB2.0, 5*COM, 8-bit DIO, 1*M.2, 1*Mini PCIe, 1*SIM slot, 1*mSATA, 1*2.5"SATA, DC9~36V
KMDA-3230/S003	Intel® Core I7-8565U	Fanless Box Computer, Dual channel DDR4 2*SO-DIMM, 1*HDMI, 1*DP, 1*Line out&Mic, 5*LAN, 4*USB3.1, 2*USB2.0, 5*COM, 8-bit DIO, 1*M.2, 1*Mini PCIe, 1*SIM slot, 1*mSATA, 1*2.5"SATA, DC9~36V
KMDA-3230/S004	Intel® Celeron 4305U	Fanless Box Computer, Dual channel DDR4 2*SO-DIMM, 1*HDMI, 1*DP, 1*Line out&Mic, 5*LAN, 4*USB3.1, 2*USB2.0, 5*COM, 8-bit DIO, 1*M.2, 1*Mini PCIe, 1*SIM slot, 1*mSATA, 1*2.5"SATA, DC9~36V

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