

# KMDA-3230

## Fanless Industrial Computer

with Intel® Core™ i3/i5/i7/Celeron® CPU with 5x LAN, 5x COM, 8-bit Iso. DIO



- Intel® 8<sup>th</sup> Gen. Whiskey Lake-U SoC
- 2x DDR4 2400MHz SO-DIMM, up to 32GB
- 1x HDMI, 1x DP, for dual 4K displays
- 5x LAN, 5x COM, 8-bit Iso. DIO
- 4x USB 3.1, 2x USB 2.0
- 1x M.2 2230 Key E
- 1x miniPCIe, 1x SIM card slot, support 4G LTE/WiFi/BT/GPRS
- 1x mSATA, 1x 2.5" SATA 3.0
- 9~36V DC, Wide power input
- Aluminum chassis, fanless design
- Applications: IoT, machine vision and others



	Items	Descriptions
System	CPU	Intel® Core™ i3-8145U (2.1GHz up to 3.9GHz, dual-core processor, TDP 15W), Intel® Core™ i5-8265U (1.6GHz up to 3.9GHz, quad-core processor, TDP 15W), Intel® Core™ i7-8565U (1.8GHz up to 4.6GHz, quad-core processor, TDP 15W) Intel® Celeron® 4305U (2.2GHz, dual-core processor, TDP 15W)
	Chipset	integrated in SoC
	Memory	2x 260-Pin SO-DIMM, DDR4 2400 MHz, up to 32GB
	Expansion	1x full size miniPCIe (PCIe x1 & USB 2.0) with SIM slot, support 4G/WiFi/BT/GPRS module, 1x M.2 2230 Key E with PCIe x1 and USB 2.0 signal, expansion of Wifi/BT module
	Graphics	Intel® UHD Graphics for 8 <sup>th</sup> Gen. Intel® Processors, supports dual independent display, 1x DP 1.2 max resolution 4096x2304@60Hz, 1x HDMI max resolution 4096x2304@24hz
	LAN	4x Intel® I210AT PCIe Gb Ethernet, 10/100/1000Mbps adaptive 1x Intel® I219LM, support iAMT12.0
	Storage	1x 2.5" SATA 3.0, 1x mSATA full size, support AHCI
	Digital IO	8-bit Iso. DIO
	I/O Ports	5x RJ45 Gb LAN 4x USB 3.1, 2x USB 2.0 3x RS232, 2x RS485 1x DP, 1x HDMI 1x SIM slot, 1x Remote SW 1x Audio out, 1x Mic
	I-port	1x I-port reserved interfaces, can support extended 2x USB 2.0, miniPCIe, M.2 and other functional module interfaces
	LED	1x Power LED, 1x HDD LED, 3x CPU temperature control LED (Red is warning, Yellow is high, Green is normal)
	Control SW	1x Power button, 1x AT/ATX Select SW, 1x Clear CMOS Select SW
	Power Supply	DC 9~36V Input, 3-pin terminal connector, Consumption: 12V/2.5A (I5-8265U CPU, 8GB DDR4)
	Watchdog Timer	Watchdog timeout programmable via software 1 to 255 seconds
OS Support	Windows 10, Linux: SUSE, Ubuntu, Red Hat Enterprise; Wind River	
Mechanical	Structure	Aluminum chassis, SGCC frame
	Color	Silver grey
	Mounting	Desktop mounting
	Dimension (WxDxH)	210x147x78mm
	Net weight	2.29kg
Environmental	Operating Temperature	-20°C ~ 70°C -with wide operating temperature SSD, airflow / 0°C ~ 50°C regular SSD
	Storage Temperature	-40°C ~ 85°C
	Storage Humidity	10~90%@40°C, non-condensing
	Vibration	5 grms/5~500Hz/random/in working (SSD); 1 grms/5~500Hz/random/in working (HDD)
	Shock	50g peak acceleration (11ms duration) (SSD); 20g peak acceleration (11ms duration) (HDD)
	EMC	CE / FCC Class B

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## Ordering Information

Part No.	CPU	Descriptions
KMDA-3230/S001	Intel® Core™ I3-8145U	Fanless Box Computer, 2x DDR4 SO-DIMM, 1x HDMI, 1x DP, 1x Audio out, 1x Mic, 5x LAN, 4x USB3.1, 2x USB2.0, 5x COM, 8-bit DIO, 1x M.2, 1x miniPCIe, 1x SIM slot, 1x mSATA, 1x 2.5" SATA, DC9~36V
KMDA-3230/S002	Intel® Core™ I5-8265U	Fanless Box Computer, 2x DDR4 SO-DIMM, 1x HDMI, 1x DP, 1x Audio out, 1x Mic, 5x LAN, 4x USB3.1, 2x USB2.0, 5x COM, 8-bit DIO, 1x M.2, 1x miniPCIe, 1x SIM slot, 1x mSATA, 1x 2.5" SATA, DC9~36V
KMDA-3230/S003	Intel® Core™ I7-8565U	Fanless Box Computer, 2x DDR4 SO-DIMM, 1x HDMI, 1x DP, 1x Audio out, 1x Mic, 5x LAN, 4x USB3.1, 2x USB2.0, 5x COM, 8-bit DIO, 1x M.2, 1x miniPCIe, 1x SIM slot, 1x mSATA, 1x 2.5" SATA, DC9~36V
KMDA-3230/S004	Intel® Celeron® 4305U	Fanless Box Computer, 2x DDR4 SO-DIMM, 1x HDMI, 1x DP, 1x Audio out, 1x Mic, 5x LAN, 4x USB3.1, 2x USB2.0, 5x COM, 8-bit DIO, 1x M.2, 1x miniPCIe, 1x SIM slot, 1x mSATA, 1x 2.5" SATA, DC9~36V

### Dimension

Unit: mm

