

KMDA-2630

Fanless Industrial Computer

with Intel® Elkhart Lake SoC, 2x 2.5 GbE, 4x COM, 8-bit DIO, I-port



- Intel® Celeron® J6412/ N6210 embedded CPU
- 1x DDR4 3200 MHz SO-DIMM, up to 16GB
- 1x HDMI, 1x VGA, for dual display output
- 2x 2.5GbE, 4x COM, 8-bit DIO
- 2x USB 3.1, 2x USB 2.0
- 1x M.2 3052 Key B with SIM card slot support 5G NR or 4G LTE module
- 1x mSATA, 1x SATA3.0
- 12V DC, opt. OFX-075 wide power input DC 9-36V
- Aluminum chassis, fanless design, Desktop mounting
- Applications: AGV/ARM, IoT, machine vision and o.



	Items	Descriptions
System	CPU	Intel® Celeron® J6412 (2GHz up to 2.6GHz, quad-core processor, 4T, TDP 10W), Intel® Celeron® N6210 (1.2GHz up to 2.6GHz, dual-core processor, 2T, TDP 6.5W)
	Chipset	integrated in SoC
	Memory	1x DDR4 SO-DIMM, 3200 MHz, up to 16GB
	Expansion	1x M.2 3052 B-Key, with SIM slot, PCIe x1 & USB2.0, support 4G LTE, 5G NR module 1x 80pin composite signal high speed interface: 2x PCIe x1, 4 USB 2.0), Front-Audio; 1x PS/2, Front-Panel, 1x SM bus, 1x eSPI
	Graphics	Intel® Gen10 UHD Graphics, 1x VGA max resolution 1920x1200@60Hz 1x HDMI 2.0 max resolution 4096x2304@60Hz
	LAN	2x Intel® I225V, 10/100/1000Mbps/2,5G, support WOL
	Storage	1x 2.5" SATA 3.0 (6.0Gbps) 1x mSATA full size, support AHCI
	Digital IO	8-bit Digital IO
	I/O Ports	Front I/O: 1x VGA, 1x HDMI 2x RJ45 2,5 Gb LAN 2x USB 3.1 (Type A) 2x USB2.0 (Type A) Back I/O: 2x RS232/422/RS485 (DB9 Male) 2x RS232 (DB9 male), 1x 8-bit DIO (DB9 male) 1x Audio out Side & internal: 1x SIM slot 1x USB2.0 (Type A internal)
	I-port	1x I-port reserved interfaces, can support internal 1x USB 2.0 or M.2 3052 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 Remote SW, 1x AT/ATX Select SW, 1x Clear CMOS Select SW
	Power Supply	DC 12V Input, 3-pin terminal connector, TDP: TBD
	Watchdog Timer	Watchdog timeout programmable via software 1 to 255 seconds
OS Support	Windows 10/11, Linux: SUSE, Ubuntu; Wind River	
Mechanical	Structure	Aluminum chassis, SGCC frame
	Color	Blue-white
	Mounting	Desktop mounting
	Dimension (WxDxH)	155 x 111.8 x 65mm
	Net weight	1.3kg
Environmental	Operating Temperature	-20°C ~ 65°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

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	Items	Descriptions
	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

Ordering Information

Part No.	CPU	Descriptions
KMDA-2630/T001	Intel® Celeron® J6412	Fanless Industrial Computer, 1x DDR4 SO-DIMM, 1x HDMI, 1x VGA, 1x Audio out, 1x Mic, 2x LAN, 2x USB3.1, 3x USB2.0, 4x COM, 8-bit DIO, 1x M.2 B-Key with SIM slot, 1x I-Port, 1x mSATA, 1x 2.5" SATA bay, DC12V
KMDA-2630/T002	Intel® Celeron® N6210	
OFX-075	75W power board, DC IN 9-36V, DC OUT 12V, 38x53mm Consumption: min. 54W, max. 78W	
PA-60DC12	AC/DC power adapter, DC 12V/5A 60W	

Dimension

Unit: mm

