

KMDA-2630-s series

Intel® Elkhart lake CPU, VGA+HDMI, 4*LAN,
2*USB3.1, 4*COM, 8-bit DIO, Audio out +
Line in + Mic, mSATA + 2.5" SATA bay

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Fanless Computer--KMDA Series



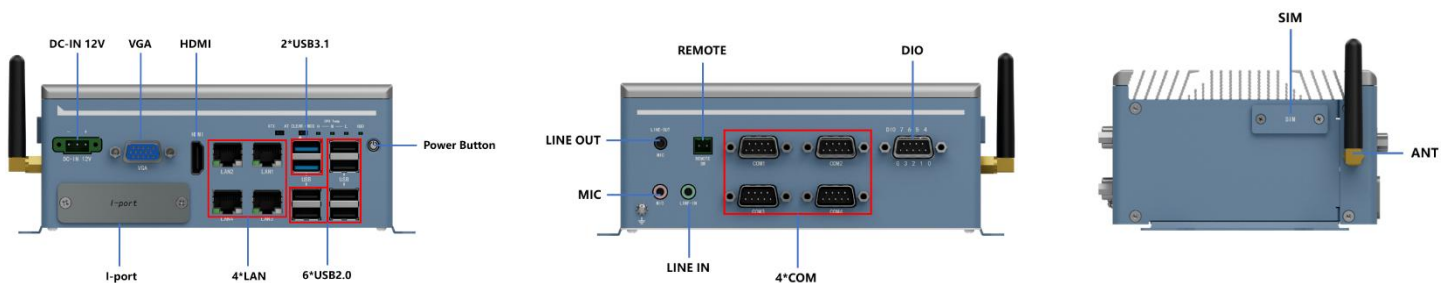
Key Features

- Compact aluminum frame, Fanless cooling design
- Intel® Elkhart lake Celeron Soc CPU
- 1*DDR4 3200MHz SODIMM, up to 32GB
- Intel® UHD Graphics, 1*HDMI+1*VGA
- 2*Intel® I226V, up to 2.5Gbps, 2*Realtek 8111H Gig. Ethernet
- 2*USB3.1 Gen2, 6*USB2.0, Audio out + Line in + Mic
- 2*RS232, 2*RS232/422/485, 8-bit DIO
- 1*mSATA, 1*2.5" SATA bay
- DC 12V or DC 9-36V power in

Product Overview

KMDA-2630 is a ULT fan-less and compact size box computer, powered by Intel Elkhart lake SoC Celeron 4 cores or dual-core CPU, supporting 2.5G network and dual USB3.1 gen2 10G High-speed ports. It has a multy IO interface, with fanless aluminum frame, which is cabinet and delicate, and also support wide power input, so it is suitable for machine vision, AGV/ARM, self service terminal and other fields.

IO Layout

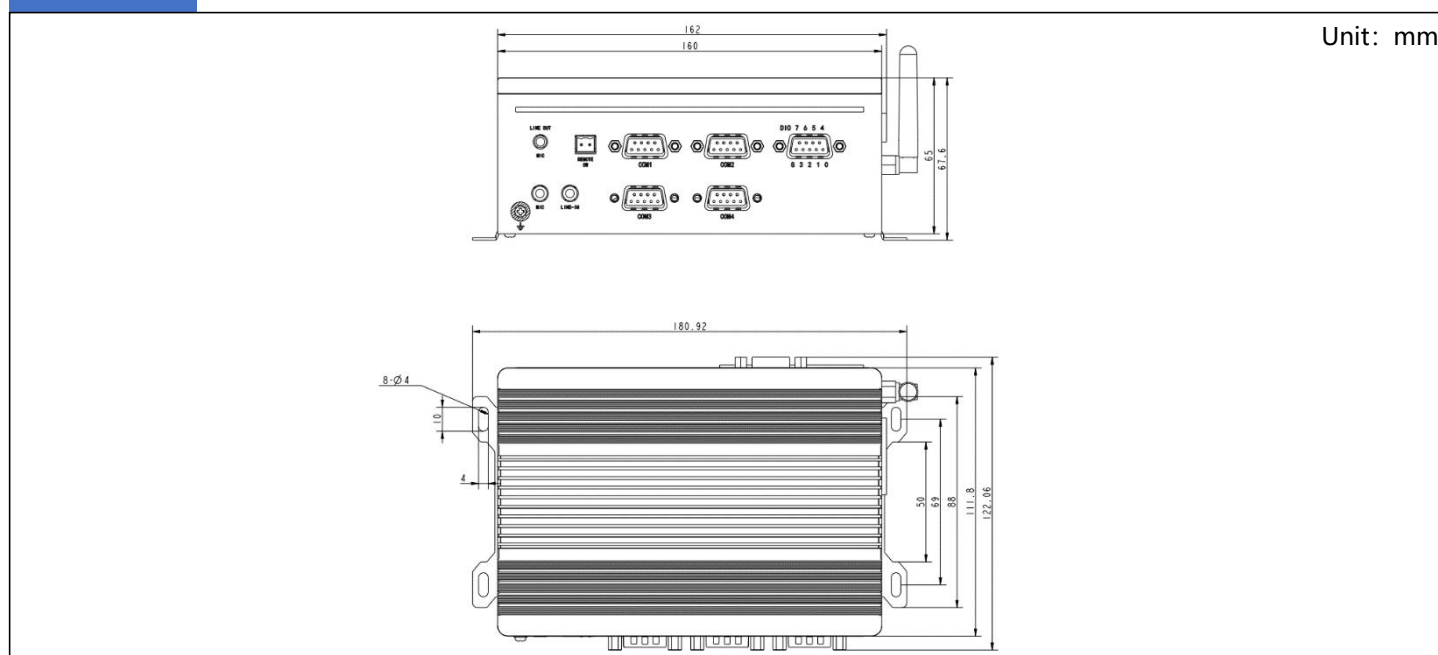


Product SPEC

CPU	Intel® Elkhart lake SoC CPU: Celeron J6412 2.0-2.6GHz 4 cores 4 threads; Celeron N6210 1.2-2.6GHz 2 cores 2 threads
System memory	1*DDR4 SO-DIMM , 3200MHz, up to 32GB
Expansion	1*M.2 B-key 3052, with PCIe X1+USB2.0+SIM slot, support 5G RN or 4G LTE module; 1*Full size Mini PCIe, PCIe X1 signal
Graphics	Intel Gen11 UHD Graphics, HW Encode: H.265/HEVC, H.264/MPEG-4 AVC, MPEG-2, JPEG/MJPEG ,VP8; HW Decode: H.265/HEVC, H.264/MPEG-4 AVC, MPEG-2, VC-1/WMV9, JPEG/MJPEG, VP8, VP9 HDMI2.0 max res. 4096*2304@60Hz VGA max res. 1920*1200@60Hz
Audio	Realtek ALC897 controller, supports 5.1 channel
LAN	2*Intel I226V PCIe Gig. Ethernet, 10/100/1000/2500Mbps, support WOL 2*Realtek 8111H Gig. Ethernet, 10/100/1000Mbps self-adapt
Storage	1*2.5" SATA3.0(6.0Gbps) bay, 1*full size mSATA, support AHCI
I/O Interface	Front I/O: 1*HDMI+1*VGA; 4*LAN(RJ45); 2*USB3.1(Type A), 2*USB2.0(Type A) + 4*USB2.0(Type A, 5V System, 1A) Back I/O: 2*RS232/422/485 (DB9 male), 2*RS232(DB9 male); 1*8-bit DIO (DB9 male); 1*Audio out + 1*Line in + 1*Mic (3.5mm phone jack) Side & internal: 1*SIM (side) ; 1*USB2.0(Type A internal)
I-port	Support internal 1*USB2.0 or M.2 3052 and ect expansion module
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 w/LED, 1*Remote SW, 1*AT/ATX SW, 1*Clear CMOS SW
Power supply	DC 12V or DC 9-36V wide power input , with short circuit, over voltage and over current protection , 1*3-pin phoenix term, TDP: 26.4W (J6412 CPU/4G DDR4/64G SSD)
Watchdog timer	Watchdog timeout programmable via software 1 to 255 second
OS	Windows 10 64 bit, SUSE, Ubuntu, Wind River, Linux

Mechanical	SGCC chassis, Aluminum frame
Color	Dove blue + traffic white
Mounting	Desk mounting
Dimension	(W*H*D): 162*111.8*65 mm
Net weight	1.32 kg
Operating temperature	-20 ~ 60°C, wide temp SSD, airflow
Storage temperature	-40°C~85°C
Storage humidity	10~95%@40°C, 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)
EMC and Certification	CE/FCC Class A

Dimension



Ordering Info.

Model No.	CPU	Introduction
KMDA-2630/S001	Intel® Celeron J6412	1*DDR4 SODIMM, 4*LAN, 2*USB3.1, 6*USB2.0, 4*COM, 8-bit DIO, 1*M.2, 1*Mini PCIe,1*VGA, 1*HDMI, 1*Line out + 1*Line in + 1*Mic, 1*mSATA, 1*2.5" SATA bay, I-port, DC-IN 12V
KMDA-2630/S002	Intel® Celeron N6210	
KMDA-2630/S001/WP	Intel® Celeron J6412	1*DDR4 SODIMM, 4*LAN, 2*USB3.1, 6*USB2.0, 4*COM, 8-bit DIO, 1*M.2, 1*Mini PCIe, 1*VGA, 1*HDMI, 1*Line out + 1*Line in + 1*Mic, 1*mSATA, 1*2.5" SATA bay, I-port, DC-IN 9~36V
KMDA-2630/S002/WP	Intel® Celeron N6210	
PA-60DC12	AC/DC power adapter, DC 12V/5A 60W+X standard power line	