

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

