

# Nord Technology

Reseller of JHCTECH hardware in Denmark

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KMDA-6611-S002



# KMDA-6611-S002

Intel® 10th Gen Comet Lake LGA1200 CPU, 2\*LAN, 2\*USB3.1, 8\*USB3.0, 3\*USB2.0, 1\*HDMI, 1\*VGA, 2\*COM, 32bit Iso. DIO, 1\*mSATA, 1\*Mini PCIe, 1\*SATA3.0, DC 9-36V.

**JHCTECH**

IoT Computer  
Connecting the Data

Embedded Box PC--KMDA Series



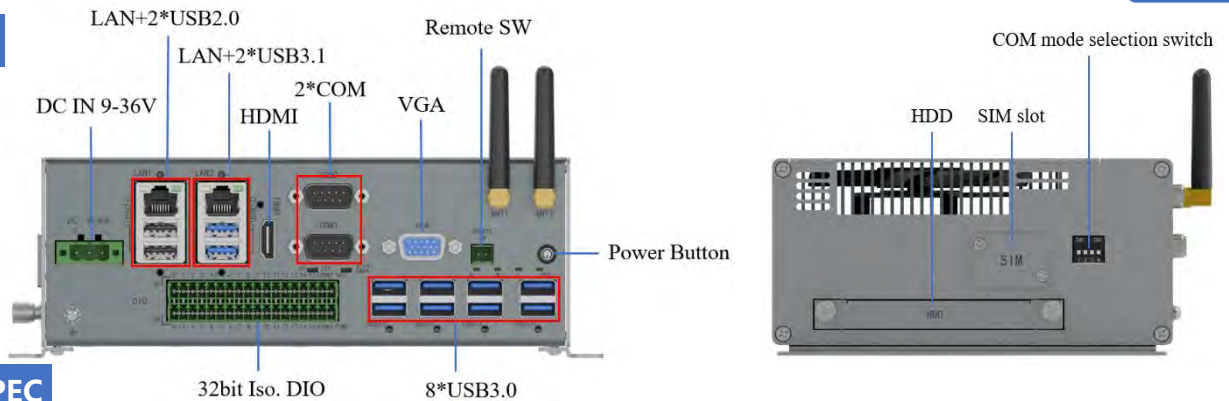
## Key Features

- Intel® 10th Gen Comet Lake LGA1200 CPU
- Intel® H420E Chipset
- 2\*DDR4 2933MHz SODIMM, up to 64GB
- 1\*HDMI + 1\*VGA
- 2\*LAN, 2\*USB3.1, 8\*USB3.0, 3\*USB2.0, 32bit Iso. DIO
- 1\*RS232/485 and 1\*RS232 COM
- 1\*Mini-PCIe full size, with SIM card slot, supporting 4G/WIFI/PCIe signal function module
- 1\*2.5" Easy-plug SATA3.0 bay and 1\*mSATA
- DC IN 9-36V, with OVP,OCP and SCP

## Product Overview

KMDA-6611-S002 is a high-performance box computer with H420E chipset, powered by Intel® 10th Gen Comet Lake CPU, multi IO interfaces and moderate size. It is suitable for machine vision and industrial control and other industries and fields.

## IO Layout



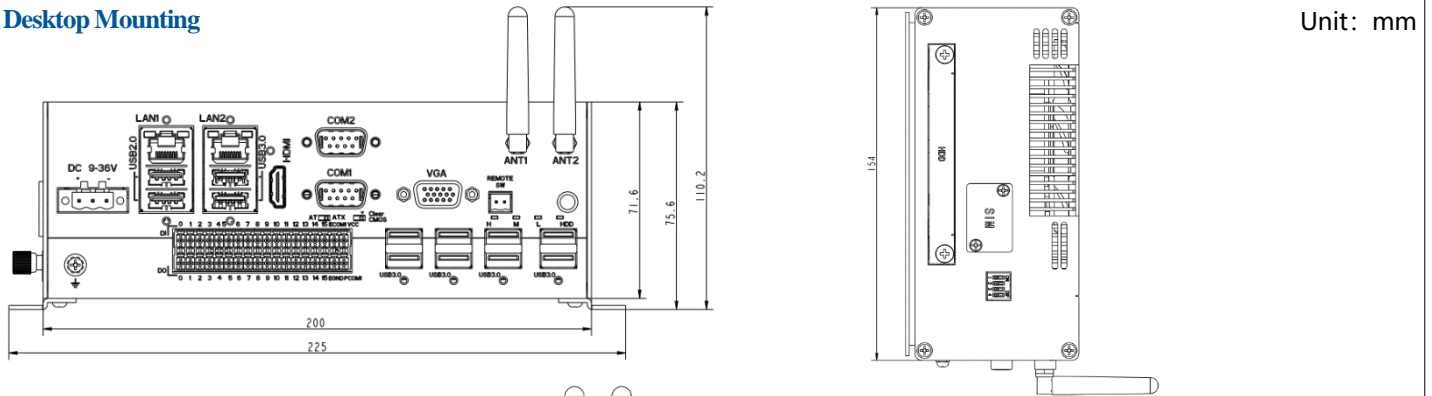
## Product SPEC

|                |  |
|----------------|--|
| CPU+PCH        | Intel® Comet lake 10th Gen Core™ i9/i7/i5/i3/Pentium/Celeron LGA1200 CPU, up to 65W<br>Intel® H420E PCH  |
| System memory  | 2*260-Pin SODIMM, dual-channel DDR4 2933MHz, up to 64GB  |
| Expansion      | 1*Mini-PCIe full size, with SIM card slot, supporting 4G/WIFI/PCIe signal function module  |
| Graphics       | Intel® UHD Graphics, Supports DirectX 12, OpenGL 4.5,<br>HDMI max res. 4096*2160@30Hz, VGA max res. 1920*1200@60Hz   |
| Audio          | /  |
| LAN            | 1*Intel I210AT + 1*Intel I219LM Gigabit Ethernet port, PCIe X1 full bandwidth, 10M/100M/1000Mbps adaptive, supporting WOL  |
| Storage        | 1*2.5" easy-plug SATA bay, with SATA3.0 signal, max 6Gbps;<br>1*full size mSATA, with SATA3.0 and USB2.0 signal, max 6Gbps   |
| I/O Interface  | 2*RJ45 Gig-LAN; 2*USB3.2 (5Gbps, Type A); 8-channel USB3.0 dedicated controller, supporting USB3.0 cameras; 2*USB2.0 (Type A); 1*USB2.0 Type A (built-in);<br>1*RS232/485 (via DIP switch, DB9 male), 1*RS232 (DB9 male);<br>32bit Iso. DIO(2*18pin Phoenix terminal); 1*HDMI; 1*VGA   |
| DIO            | 32-bit isolated DIO, 16-bit DI is 2.5KV photoelectric isolation, supports PNP and NPN mode selection; The 16-bit DO is 2.5KV optical isolated Darlington output, and the matching resistor is built-in, which can be selected according to different driving currents, single drive current can reach 500mA; Supporting multiple levels of input such as 5V/12V/24V, pulse period reaches 2ms/pulse wave |
| LED            | 1*Power LED (on the power button), 1*HDD LED, 3*CPU temp LED (Red is warning, Yellow is high, Green is normal)   |
| Control SW     | 1*Power SW, 1*Remote SW, 1*AT/ATX dip, 1*Clear CMOS dip  |
| Power supply   | DC IN 9-36V, 3-pin Term. block 5.0mm, with short circuit(SCP), over voltage(OVP) and over current(OCP) protection; TDP : TBD   |
| Security       | Support TPM2.0 (optional)  |
| Watchdog timer | Watchdog timeout programmable via software 1 to 255 second   |
| OS             | Windows11, Windows 10 IoT Enterprise (64-bit), Windows Server 2019, Ubuntu, SUSE, Redhat Enterprise, Wind River Linux, Yocto Project (64-bit), Wind River VxWorks 7  |

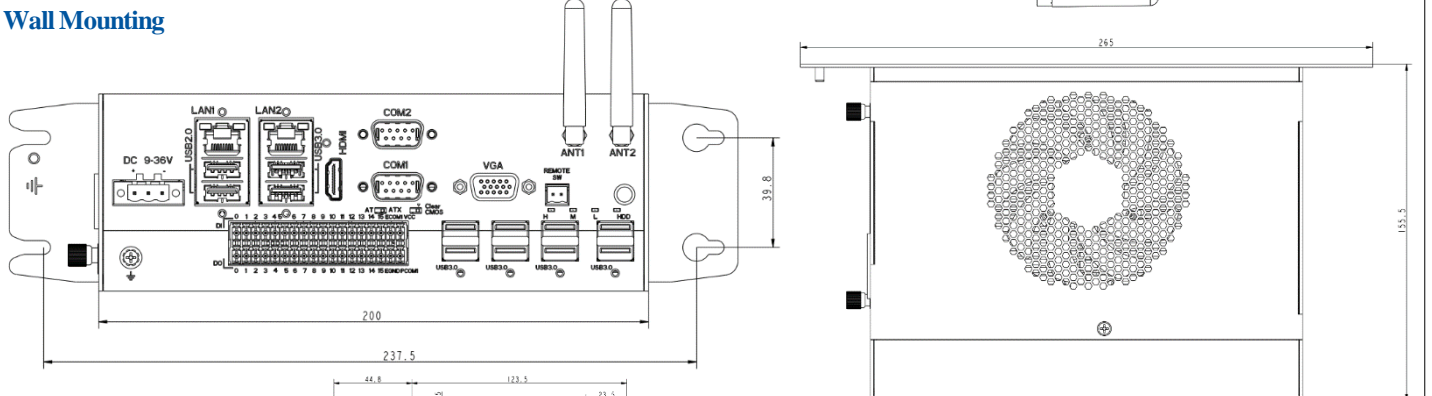
|                       |  |
|-----------------------|--|
| Structure             | Aluminum-magnesium alloy, SGCC frame   |
| Color                 | Silver Gray  |
| Mounting              | Wall Mounting (default), Desktop Mounting (optional), DIN-Rail mounting (optional)   |
| Dimension             | (W*D*H): 225*154*75.6 mm   |
| Net weight            | TBD  |
| Operating temperature | -20 ~ 60°C, SSD, air flow<br>-10 ~ 55°C, HDD, air flow                               |
| 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/<br>Certification | CE/FCC Class A   |

## Dimension

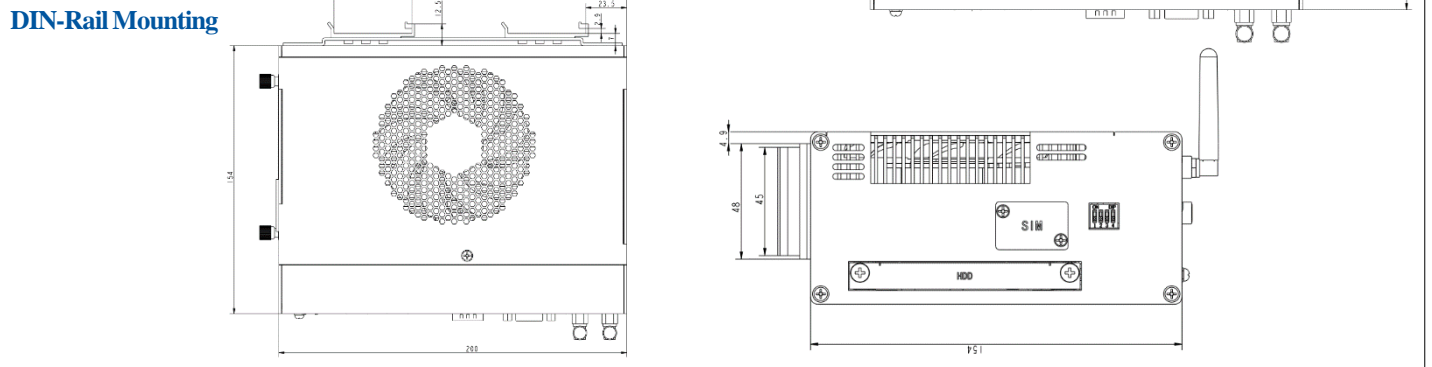
### Desktop Mounting



### Wall Mounting



### DIN-Rail Mounting



## Ordering Info.

| Model No.      | Introduction  |
|----------------|---|
| KMDA-6611-S002 | Embedded box computer, Intel® 10 <sup>th</sup> Gen Comet Lake LGA1200 CPU, H420E PCH, 2*DDR4 SODIMM, 2*LAN, 2*USB3.1, 8*USB3.0, 3*USB2.0, 2*COM, 1*HDMI, 1*VGA, 32bit Iso. DIO, 1*2.5" SATA bay, 1*mSATA, 1*Mini PCIe, 1*SIM card slot, DC 9-36V. |
| PA-120DC19     | AC/DC power adapter, DC 19V/6.32A,120W  |