

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 Dots

Embedded Box PC--KMDA Series



4K
Ultra HD



FCC

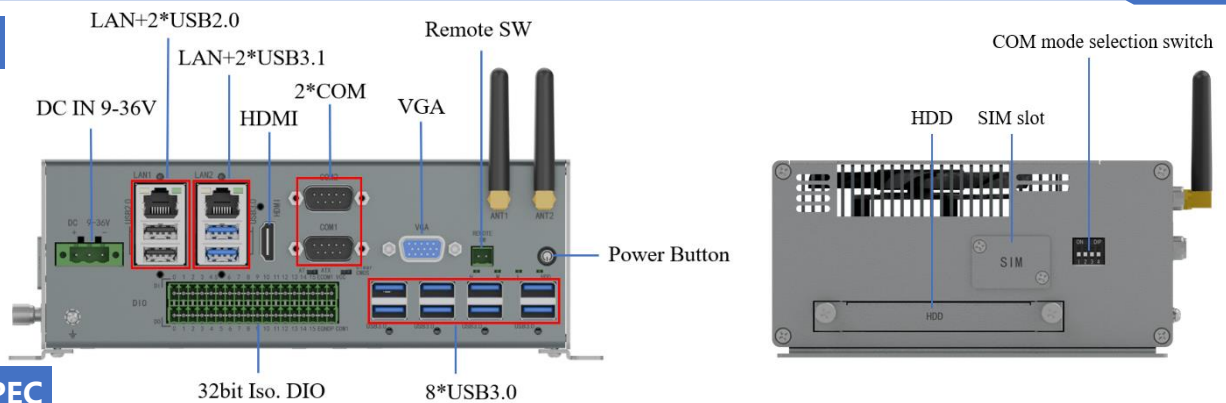
Key Features

- 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



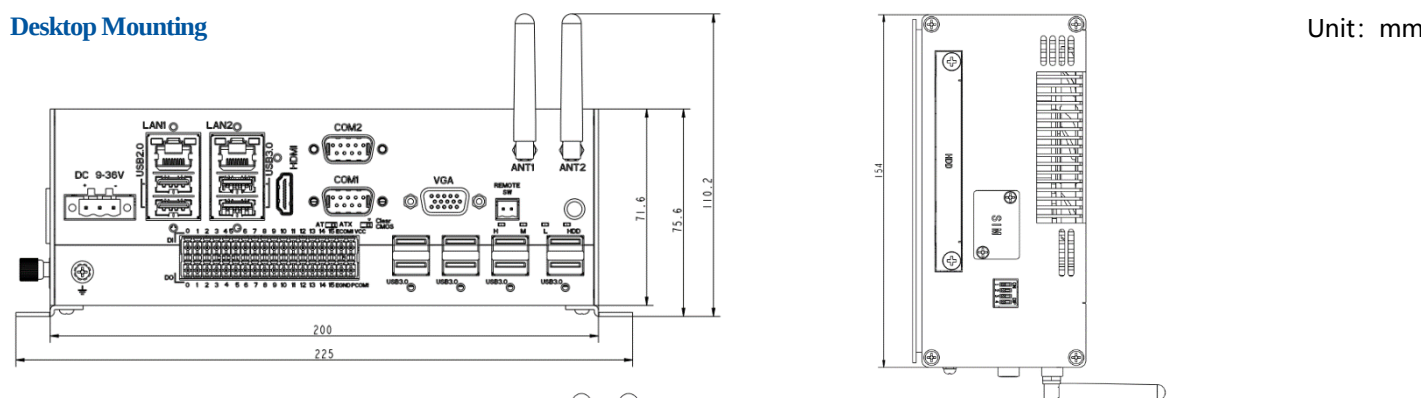
Product SPEC

CPU+PCH	Intel® Comet lake 10th Gen Core™ i9/i7/i5/i3/Pentium/Celeron LGA1200 CPU, up to 65W 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, 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; 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); 1*RS232/485 (via DIP switch, DB9 male), 1*RS232 (DB9 male); 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

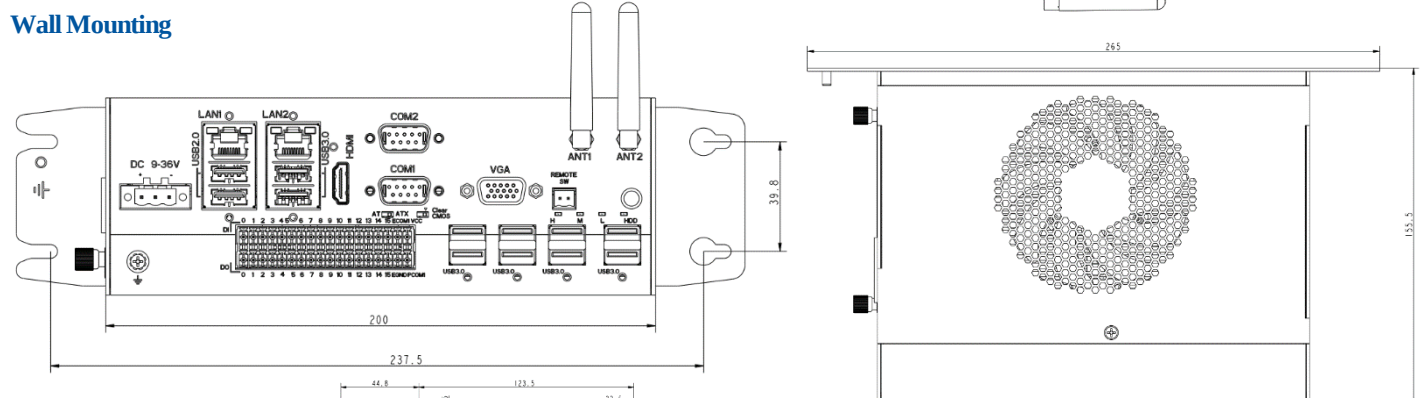
Structure	Aluminum-magnesium alloy, SGCC frame
Color	Silver Gray
Mounting	Wall Mounting (default), Desktop Mounting (optional), DIN-Rail mounting (optional)
Dimension	(W*D*H): 225*154*75.6 mm
Net weight	TBD
Operating temperature	-20 ~ 60°C, SSD, air flow -10 ~ 55°C, HDD, air flow
Storage temperature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

Dimension

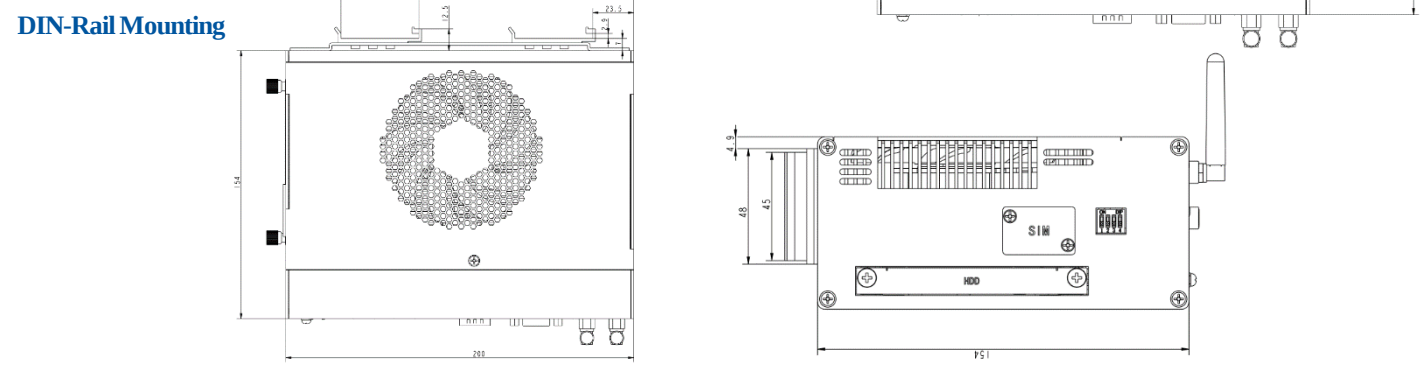
Desktop Mounting



Wall Mounting



DIN-Rail Mounting



Ordering Info.

Model No.	Introduction
KMDA-6611-S002	Embedded box computer, Intel® 10 th 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