

# IXKL-35V2.0

Intel® Skylake/Kabylake-R based Embedded Industrial PC



## Features

- CPU: Intel® Skylake/Kabylake-R Processor
- Memory: Dual Channel SO-DIMM DDR4 up to 32GB
- Display: Integrated Intel® Graphics display via HDMI+VGA
- Ethernet: 10/100/1000Mbps
- Storage: SATA3.0 FPC, mSATA
- Expansion: M.2 for WiFi, Nano SIM Slot
- Power: 9V-35V



## Introduction

The Maxtang IXKL-35 is a powerful yet energy-efficient embedded industrial computer, featuring Intel® Skylake/Kaby Lake-R processors. It supports up to 32GB of dual-channel DDR4 memory and provides UHD/HD Graphics with HDMI and VGA outputs for sharp, reliable visuals. Versatile storage options, including SATA FPC, mSATA, and 4G connectivity via a Nano SIM slot, make it adaptable for a wide range of industrial applications.

Designed for reliability in demanding environments, the IXKL-35 offers dual Gigabit Ethernet, six COM ports, four USB 3.2 ports, four USB 2.0 ports, GPIO, and a wide 9V-35V DC input. Its durable construction and comprehensive I/O interface make it ideal for industrial automation and smart transportation. Combining robust performance with cost efficiency, the IXH-KL35 is a dependable choice for modern industrial needs.

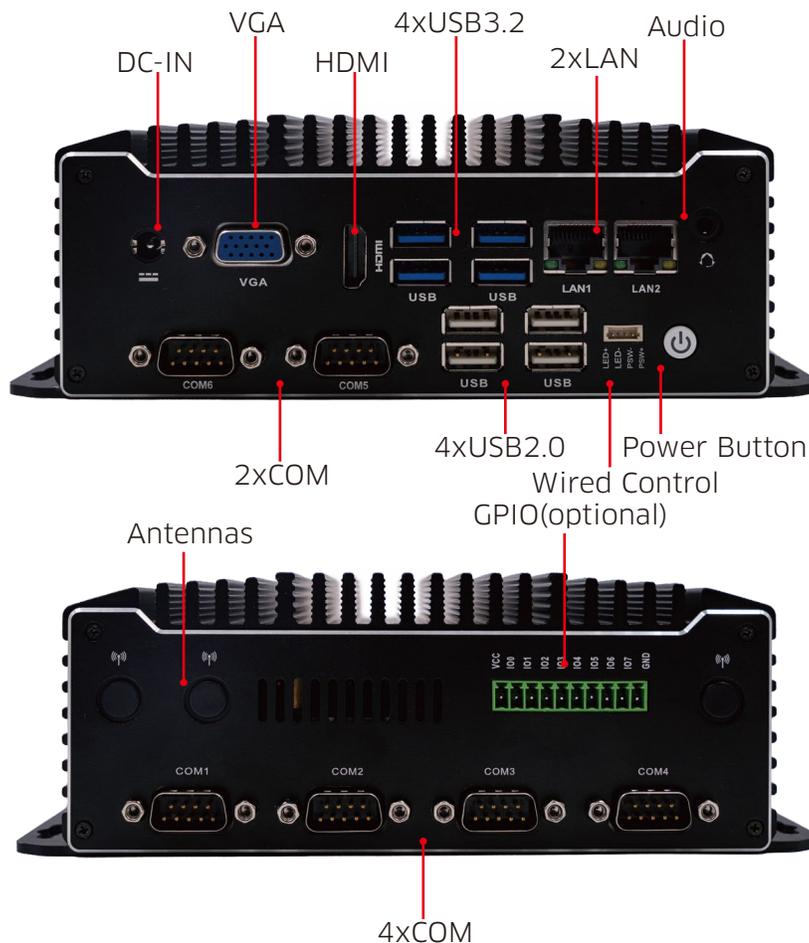


H/W Monitor

Watchdog



## I/O Interfaces

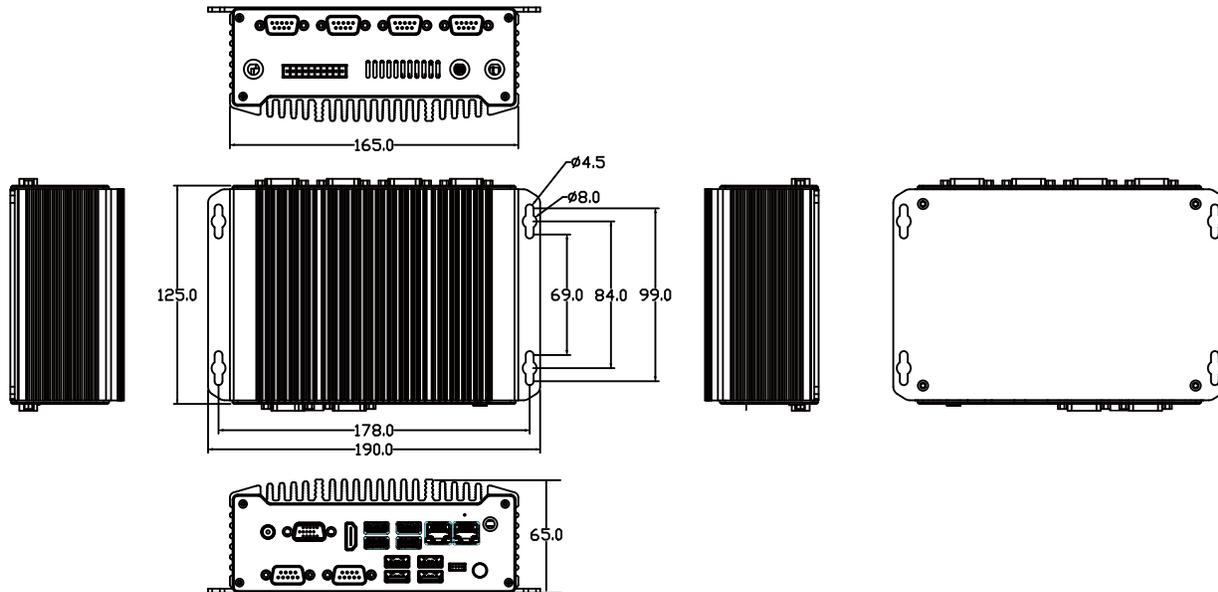


## Technical Specifications

Processor	CPU	i5-8250U	i5-7200U	i5-6200U
	Cores/Threads	4C/8T	2C/4T	2C/4T
	Base Frequency	1.60GHz	2.50GHz	2.30GHz
	Max Turbo Frequency	3.40GHz	3.10GHz	2.80GHz
	Cache	6MB	3MB	3MB
	TDP	15W	15W	15W
	BIOS	AMI UEFI BIOS		
Memory	Type	SO-DIMM Dual Channel DDR4		
	Max. Capacity	32GB		
Display	GPU	Intel UHD/HD Graphics based on CPU		
	Display via	HDMI+VGA		
Ethernet	Speed	10/100/1000 Mbps		
	Controller	intel i210 + intel i219		
	Interface	2xRJ45		
Audio	Wake on LAN	Yes		
	Audio Codec	Realtek HD		
Hardware	Interface	1xCTIA, Line-out + Mic-in in one, supports power amplifier		
	Storage	CPU system temperature, on-board DC-in voltage, watchdog, auto power on		
Expansion	mSATA	1x mSATA for SSD or 4G Module		
	SATA3.0	1x SATA3.0 FPC Interface		
I/O Interface	M.2_E	1x M.2_E 2230 Slot for Wi-Fi		
	Nano SIM	1		
Dimension	LAN	2		
	COM	Default: 4*RS232+2*RS485(COM5, COM6)		
		Optional: 6*RS232		
	USB3.2	4		
	USB2.0	4		
	Audio	1xCTIA Audio Jack		
	GPIO	8-bit. Optional		
	Wired Control	1		
Power	Size	165 mm x 125mm x 65mm		
	Standard Port	9V-35V DC-IN		
Temperature	Peripheral Input	For Fan and SATA		
	LED Indicator	Power indicator		
	Operating Temp.	-20°C to 60°C		
Cooling	Storage Temp.	-40°C to 80°C		
		Passive		
Operating System	Win7 32bit/64bit, Win10/11 64bit, Linux 32/64bit			

\*All specifications and photos are subject to change without notice.

## Dimensions in mm



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