

IXWL-35

Intel® Whiskey Lake U/Comet Lake U based Embedded Industrial PC



Features

- CPU: Intel® Whiskey Lake U/Comet Lake U processor
- Memory: Dual Channel SO-DIMM DDR4 up to 64 GB
- Display: Intel® UHD Graphics via HDMI, DP, VGA optional
- Ethernet: 10/100/1000Mbps
- Storage: SATA3.0, 1x M.2 for 2242 SSD/4G
- Expansion: M.2 for WiFi
- Power: 12V/19V DC input, Phoenix input optional



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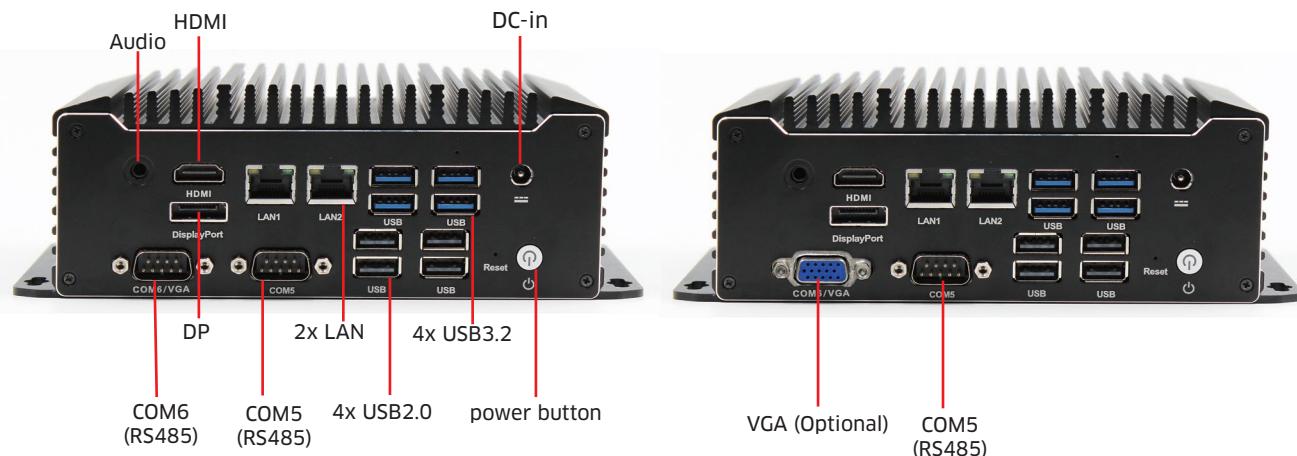
MAXIMIZING YOUR COMPUTING PRODUCTIVITY

Introduction

The IXWL-35 is a compact, fanless embedded industrial PC powered by the Intel Whiskey Lake U/Comet Lake U processor. It supports dual-channel SO-DIMM DDR4 up to 64GB, a TDP rate of 15W, great for energy saving. A rich I/O interface includes HDMI, DP, two RJ45 gigabit network controllers, six serial ports (or 5 COM+1 VGA), and eight USB ports that cater to most market needs.

The system is an ideal solution for various industrial applications, features diverse I/O ports for easy integration, and ruggedized design for harsh environments. The fanless nature protects it from dust, particles, chemical or moisture ingress. It provides a great user experience based on its stability and reliability.

I/O Interfaces

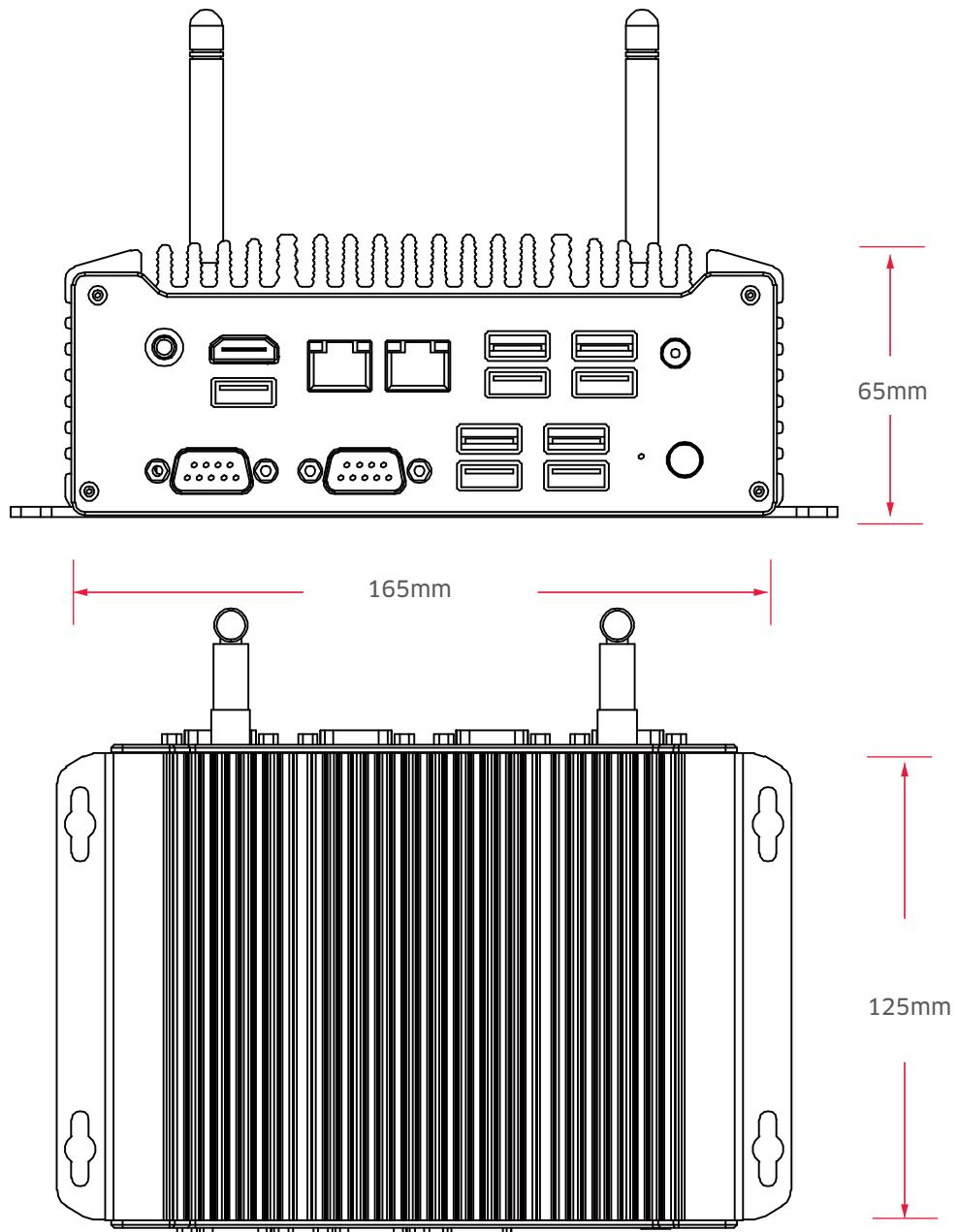


HIGH-DEFINITION MULTIMEDIA INTERFACE

Technical Specifications

Processor	Comet Lake U	i3-10110U	i5-10210U
	Base Frequency	2.1GHz	1.6 GHz
	Max Turbo Frequency	4.1GHz	4.2 GHz
	Cache	4MB	6MB
	Whiskey Lake U	Pentium 5405U	Celeron 4205U
	Base Frequency	2.3 GHz	1.8 GHz
	Max Turbo Frequency	/	3.9 GHz
	Cache	2MB	2MB
	TDP	15W	4MB
	BIOS	AMI UEFI BIOS	
Memory	Type	Dual Channel SO-DIMM DDR4	
	Max capacity	64GB	
Display	GPU	Integrated Intel® UHD Graphics based on CPU	
	Display via	HDMI+DP+VGA optional	
Ethernet	Speed	10/100/1000Mbps	
	Controller	1x Intel® i210 + 1x Intel® i219	
	Interface	2x RJ45	
Audio	Wake on LAN	Yes	
	Audio codec	Realtek HD	
	Interface	1xCTIA 2-in-1 Audio Jack	
Hardware		System temperature, Onboard voltage, Watchdog, Auto power on	
	Storage	M.2	
Expansion		1x M.2 for 2242 SSD/4G	
	SATA	1x SATA3.0	
Other I/O	M.2	1x M.2 for Wi-Fi	
	COM	Default: 2xRS485 +4xRS232	
Dimension		Optional: 1xRS485+VGA +4xRS232	
	USB2.0	4	
	USB3.2	4	
Power	Size	165mm x 125mm x 65mm	
	Standard input	12V/19V DC-IN	
Temperature	Phoenix input	16-30V Phoenix input optional	
	Peripheral Input	For Fan and SATA	
	LED Indicator	Power indicator	
Cooling	Operating Temp.	-20°C to 60°C	
	Storage Temp.	-40°C to 80°C	
Operating System		Passive	
		Win7/8/10 32/64bit, Linux 32/64 bit	

Dimensions



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