PRODUCT DATASHEET
HW Rev.: V1.0

IXH-WCL35

Intel®Wildcat Lake Series based Embedded Fanless Industrial PC



Features

- CPU: Intel® Wildcat Lake Series Processor
- Memory: Single Channel SO-DIMM DDR5 up to 64GB
- Display: Integrated Intel Graphics display via 2 x HDMI
- Ethernet: 10/100/1000Mbps
- Storage & Expansion: M.2 Key M Slot for NVMe SSD, M.2 Key B Slot for SATA SSD or 4G, M.2 Key E Slot for Wi-Fi&BT, SATA FPC Interface
- Power: 9V-36V 2-Pin DC-IN Phoenix Connector/DC-IN Jack Optional

intel prestige partner Builder

Maxtang®
MAXIMIZING YOUR COMPUTING PRODUCTIVITY

Introduction

The Maxtang IXH-WCL35 is a compact, fanless industrial PC powered by the Intel® Core™ 3 Processor 304. Featuring five cores, integrated Intel® Graphics, an NPU delivering up to 15 TOPS, and support for up to 64GB of DDR5 memory, it delivers efficient computing performance for industrial and edge applications. Dual HDMI 2.0 outputs and dual Intel® Gigabit Ethernet ports provide flexible display and network connectivity.

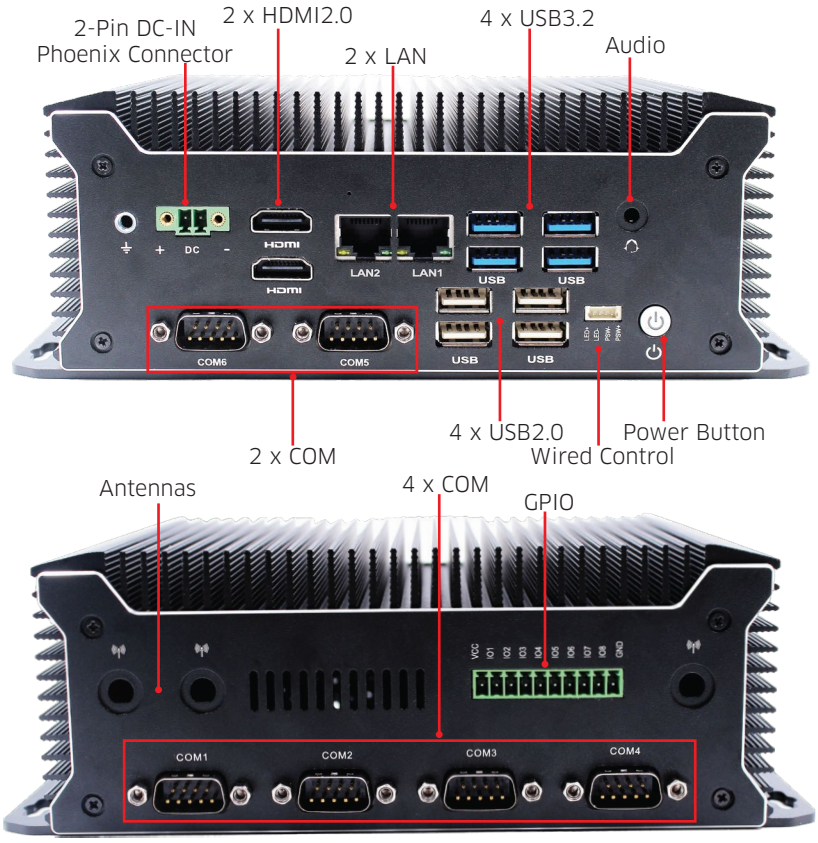
Engineered for reliable operation in demanding environments, the IXH-WCL35 supports a wide 9–36V DC input and an operating temperature range of –20°C to 60°C. Six COM ports, eight USB ports, 8-bit GPIO, flexible storage, and optional wireless connectivity enable integration with a wide range of industrial equipment and peripherals. Its fanless design and extensive connectivity make it well suited for smart factories, intelligent transportation, industrial automation, energy management, and edge AI applications

Linux
ubuntu
Windows

H/W Monitor
Watchdog
GPIO
Brightness

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

I/O Interfaces

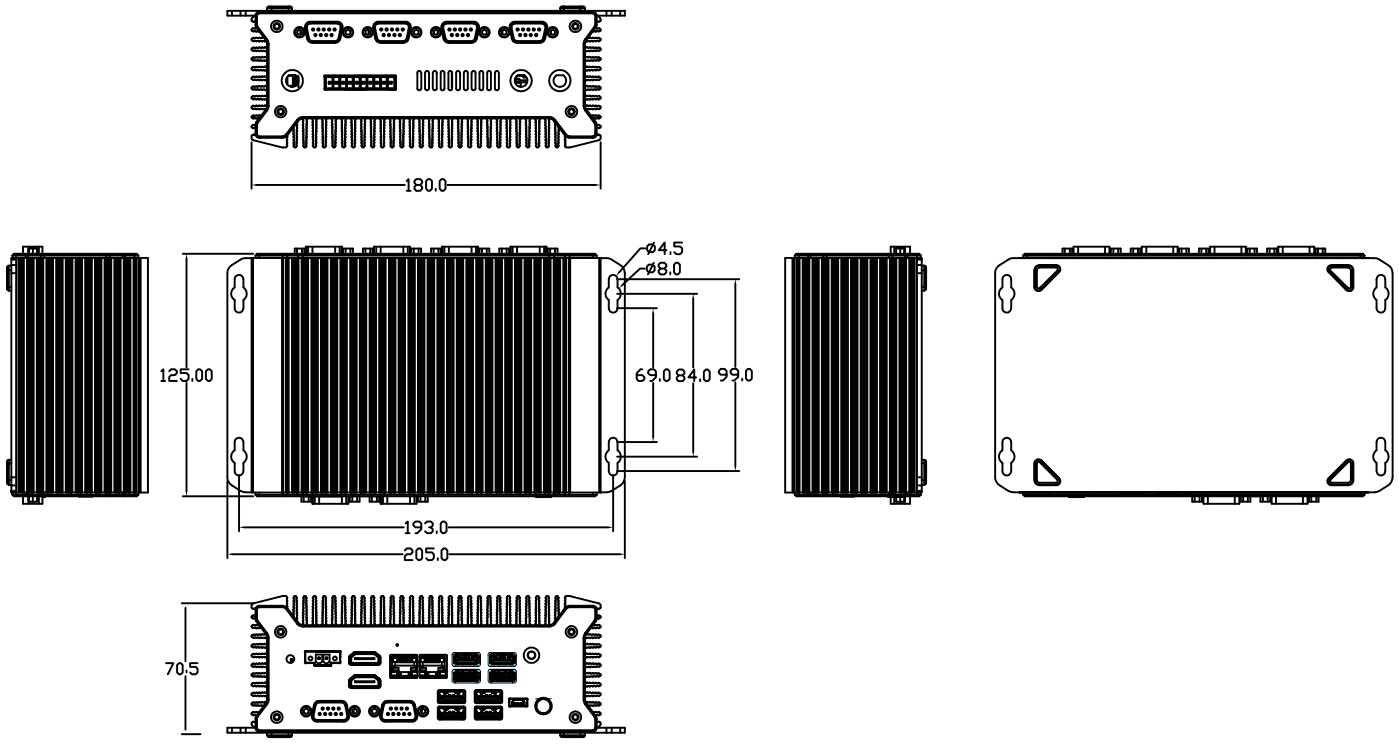


Technical Specifications

Processor	Intel® Core™ 3	304
	Total Cores/Threads	5C/5T
	Max Turbo Frequency	4.30GHz
	Intel® Smart Cache	6MB
	TDP	15W
NPU	NPU	15TOPS
	BIOS	AMI UEFI BIOS
Memory	Type	Single Channel SO-DIMM DDR5
	Capacity	64GB
Display	GPU	Integrated Intel® Graphics
	Display via	2 x HDMI2.0
Ethernet	Controller	2 x Intel® i210
	Speed	10/100/1000Mbps
	Interface	2 x RJ45
	Wake on LAN	Yes
Audio	Audio Codec	SenaryTech SN6186 High-definition Audio Codec
	Interface	1 x CTIA 2-in-1 Audio Jack
Hardware Monitoring		CPU System temperature, Onboard voltage, Watchdog, Auto power on
Storage & Expansion	M.2_SW	1 x M.2 Key B Slot for 2242/2280 SATA SSD or 3042 4G Module
	M.2_N	1 x M.2 Key M Slot for 2280 NVMe SSD(PCIe X2 Gen 4)
	SATA	1 x SATA3.0 FPC Interface
	M.2	1 x M.2 Key E Slot for 2230 Wi-Fi,&Bluetooth Module, support PCIE &CNVi
I/O Interface	COM	6 x COM: default 4*RS232+2*RS485, or 6*RS232 optional
	USB3.0	4 x USB3.2
	USB2.0	4 x USB2.0
	GPIO	8-bit
	Wired Control	1
Dimension	Size	205mm x 125mm x 70.5mm
Power	Standard Input	9V-36V; 2-Pin DC-IN Phoenix Connector
	Optional	DC-IN Jack
	Peripheral Input	For Fan and SATA
	LED Indicator	Power indicator
Temperature	Operating Temp.	-20°C to 60°C
	Storage Temp.	-40°C to 80°C
Cooling		Passive
Operating System		Win10/11 64bit, Linux 64 bit

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

Dimensions



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