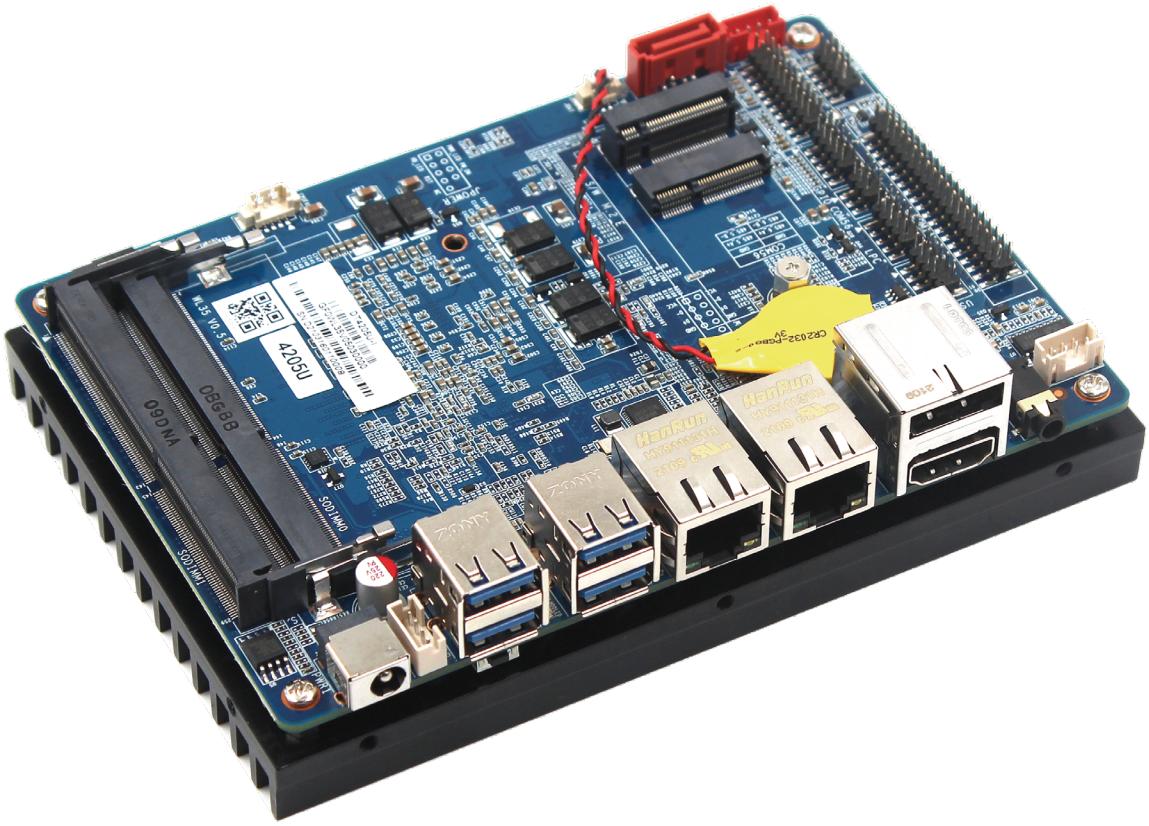
PRODUCT DATASHEET
HW Rev.: V1.0

WL-35

Intel® Whiskey Lake/Comet Lake-U based 3.5” Disk Size Motherboard



Features

- CPU: Intel® Whiskey Lake/Comet Lake-U Processor
- Memory: Dual channel SO-DIMM DDR4 up to 64 GB
- Display: Integrated Intel® UHD Graphics display via HDMI, DP, eDP
- Ethernet: 10/100/1000 Mbps
- Storage: SATA3.0, M.2 for 2242 SATA/4G
- Expansion: M.2 for WiFi, Micro SIM
- Power: 12V/19V DC input

intel prestige partner Builder

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MAXIMIZING YOUR COMPUTING PRODUCTIVITY

Introduction

The Maxtang WL-35 is a 3.5" disk-size single-board based on the Intel® Whiskey Lake/Comet Lake-U processor, provides powerful performance with low power consumption. Supports dual-channel SO-DIMM DDR4 up to 64GB, display via UHD Graphics through HDMI, DP, and eDP. Features two 10/100/1000 Mbps Ethernet controllers, M.2 for SSD/4G module, and M.2 for Wi-Fi. A rich input/output interface includes 6x COM, 6x USB, 8x GPIO, Audio Ports (Mic-in+ Line-out) with standard 12V/19V DC-in, which caters to most market requirements.

The WL-35 is an ideal solution for various industrial applications. It retains the robust design of all Maxtang product lines at a new cost-effective price point. Its powerful features can provide a great user experience, increase productivity with stability, reliability. Maxtang is a member of the Intel IoT Solutions Alliance on Industrial Solution Builders Specialist. Our goal is to provide quality products with cost advantages.

Linux

ubuntu

Windows

H/W Monitor

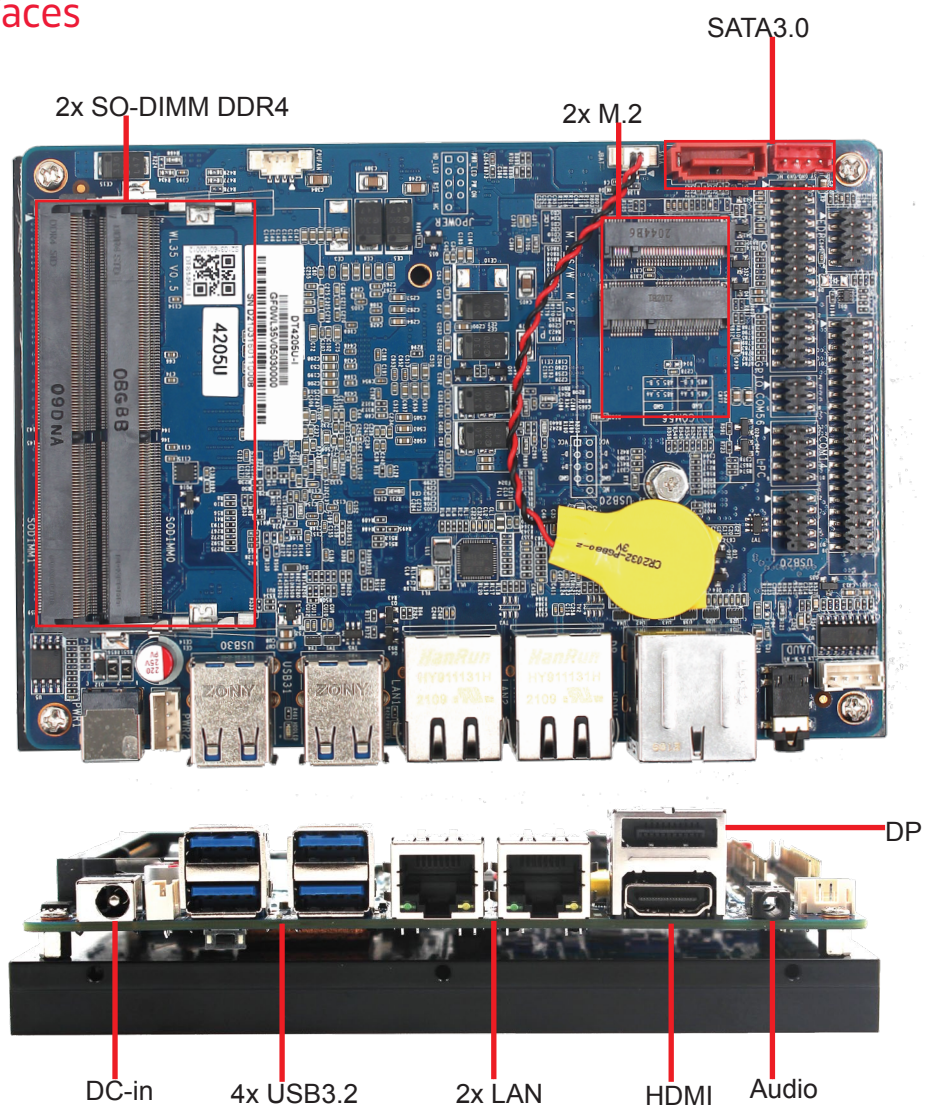
Watchdog

GPIO

Brightness

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

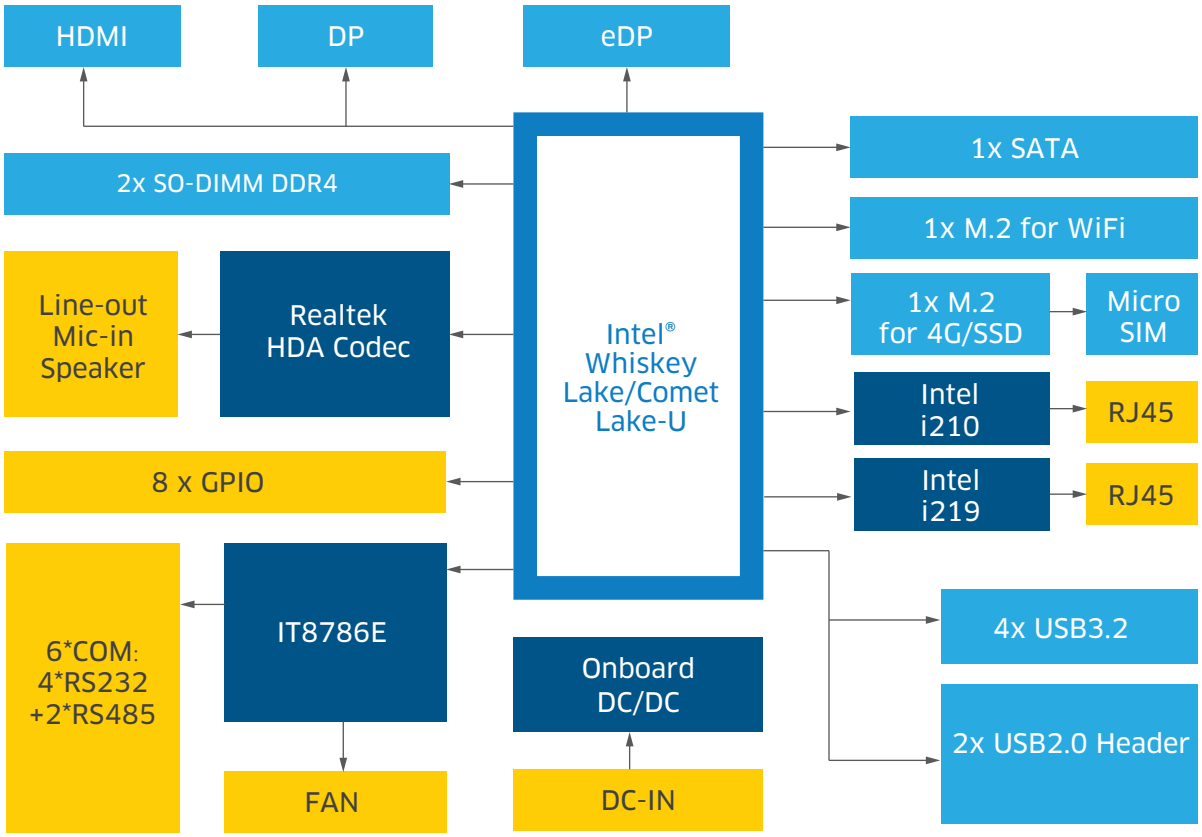
I/O Interfaces



Technical Specifications

Processor	Comet Lake U	i5-10210U	i3-10110U	
	Base Frequency	1.6 GHz	2.1GHz	
	Max Turbo Frequency	4.2 GHz	4.1GHz	
	Cache	6MB	4MB	
	Whiskey Lake U	i3-8145U	Celeron 4205U	Pentium 5405U
	Base Frequency	2.1GHz	1.8GHz	2.3 GHz
	Max Turbo Frequency	3.9GHz	/	/
	Cache	4MB	2MB	2MB
	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	1xHDMI + 1xDP + 1x eDP		
Ethernet	Speed	10/100/1000 Mbps		
	Controller	Intel® i210 + Intel® i219		
	Interface	2xRJ45		
	Wake on LAN	Yes		
	vPro/AMT	Yes, based on the specified CPU and Intel® i219 ethernet controller		
Audio	Audio Codec	Realtek HD		
	Interface	1xCTIA Audio Jack, support power amplifier header		
Hardware		CPU system temperature, on-board DC-in voltage, watchdog, auto power on		
Storage	M.2	1x M.2 for 2242 SATA SSD/4G Module		
	SATA3.0	1		
Expansion	M.2	1x M.2 for Wi-Fi		
	Micro SIM	1		
I/O Interface	COM	6*COM (4*RS232 + 2*RS485)		
	USB3.2	4		
	USB2.0	2*header		
	GPIO	8		
	LPC	1		
Dimension	Size	146 mm x 102mm		
	Board Type	3.5" Disk Size SBC		
Power	Standard Port	12V/19V DC-in		
	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		
Operating System		Win10 64bit, Linux 64bit		

Functional Block Diagram



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Order Information

Model Name	Description
DT4205U-I	DT 3.5INCH Intel Celeron 4205U WL35 2LAN 4*RS232 2*RS485 HDMI+DP+EDP
DT8145U-I	DT 3.5INCH Intel Core i3-8145U WL35 2LAN 4*RS232 2*RS485 HDMI+DP+EDP
DT10110U-I	DT 3.5INCH Intel Core i3-10110U WL35 2LAN 4*RS232 2*RS485 HDMI+DP+EDP
DT10210U-I	DT 3.5INCH Intel Core i5-10210U WL35 2LAN 4*RS232 2*RS485 HDMI+DP+EDP

*For customized options, please consult regional sales. And please confirm the model name and description before purchasing. *The model name and description might vary due to inventory changes.

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MAXIMIZING YOUR COMPUTING PRODUCTIVITY

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