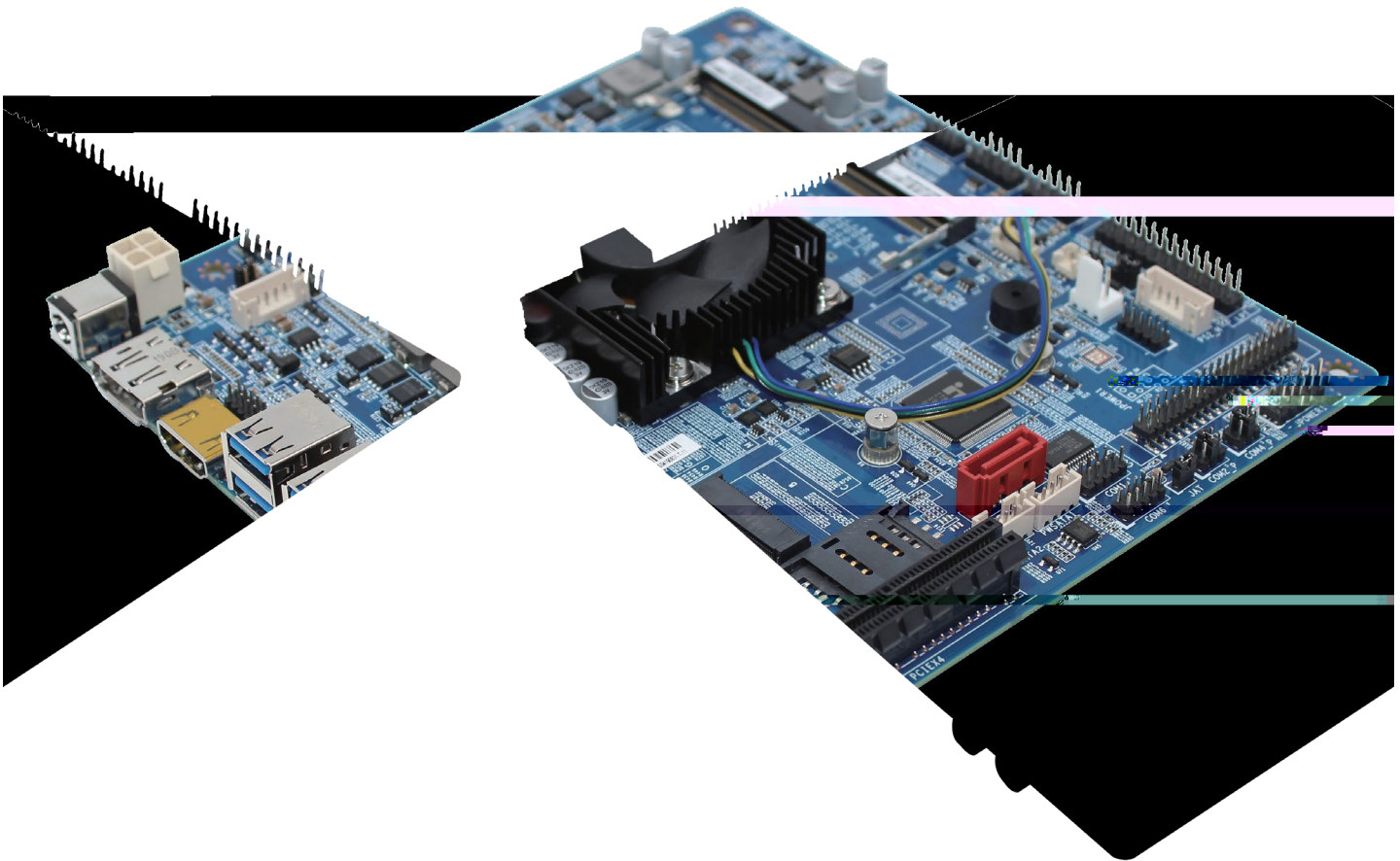


# WL-10

## Intel® Whiskey Lake/Comet Lake-U Processors based Mini ITX Motherboard



### Features

- CPU: Intel® Whiskey Lake/Comet Lake-U Processors
- Memory: Dual channel SO-DIMM DDR4 up to 64GB
- Display: Intel® UHD Graphics display via HDMI, DP, eDP/LVDS
- Ethernet: 10/100/1000 Mbps
- Storage: M.2 for SSD/4G, SATA3.0
- Expansion: M.2 for WiFi, PCIe 4X
- Power: 12V DC-in



## 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	6 MB	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	Intel UHD Graphics 610/620 based on CPU		
	Display via	1xHDMI+1xDP+1x LVDS/eDP		
Ethernet	Speed	10/100/1000Mbps		
	Controller	1xIntel i210+1xIntel i219		
	Interface	2xRJ45		
	Wake on LAN	Yes		
Audio	Audio Codec	Realtek HD		
	Interface	1xLine-out, 1xMic-in, support audio header and power amplifier header		
Hardware Storage	CPU System Temperature, Onboard voltage, Watchdog, Auto power on			
Expansion	M.2	1xM.2 for SATA SSD/4G Module		
	SATA3.0	2 (Only 1 if Celeron onboard)		
I/O Interface	M.2	1xM.2 for WiFi		
	PCIe4X	1		
Dimension	COM	6xCOM: 5*RS232+1*RS485		
	USB3.2	3		
	USB2.0	5 (1*port+4*headers)		
	GPIO	8		
	LPT	1		
	PS/2	1		
	TPM2.0	Onboard, optional		
	Size	170mmx170mm		
	Board Type	Mini-ITX		
	Power	Standard Port	12V DC-in /4 PIN Power	
Peripheral Input		For Fan and SATA		
Operating Temp.		-20°C ~60°C		
Storage Temp.		-40°C ~80°C		
Operating System	Win10 64 bit, Linux 64 bit			

## Functional Block Diagram

