

# MTN-TL50

Intel Tiger Lake Processor based Compact Mini PC  
with Dual Displays



## Features

- CPU: Intel Tiger Lake Processors
- Memory: Dual Channel DDR4 for Memory up to 64GB
- Display: Intel Integrated Graphics, Dual Displays via HDMI2.0
- I/O Ports: 2xUSB3.2, 2xUSB2.0, 1xLAN, 2xHDMI, USB-C, Line-out, Mic-in,
- Expansion: M.2 for WiFi and Bluetooth
- Storage: SATA3.0, M.2 for 2280 SSD NVMe
- Power: 12V/19V DC-in



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## Introduction

The Maxtang MTN-TL50 is a compact mini PC based on the Intel Tiger Lake processors, Celeron6305, i3-1115G4, i5-1145G7/11320H, and i7-1165G7, provides excellent performance with greater space-saving. Supports dual-channel SO-DIMM DDR4 up to 64GB, dual display via Intel Iris Xe Graphics through 2xHDMI. Features with one 10/100/1000 Mbps ethernet controller, SATA3.0 and M.2 for storage, addition M.2 for WiFi and Bluetooth for expansion. A rich I/O interface includes 2x USB3.2, 2xUSB2.0, 1xLAN, 1x USB-C, Mic-in, and Line-out with standard 12V/19V DC-in caters to most markets requirements.

The MTN-TL50 is an ideal solution for various applications. It retains the robust design of all Maxtang product lines at a new cost-effective price point. Its powerful features provide you an outstanding visual experience, increase your productivity with stability, reliability. Our goal is to provide the best products with high quality and cost advantages.



H/W Monitor



Watchdog

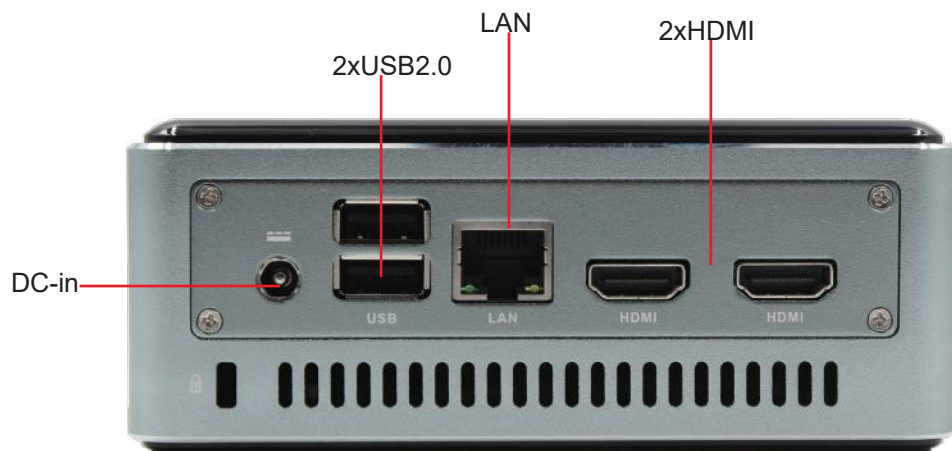
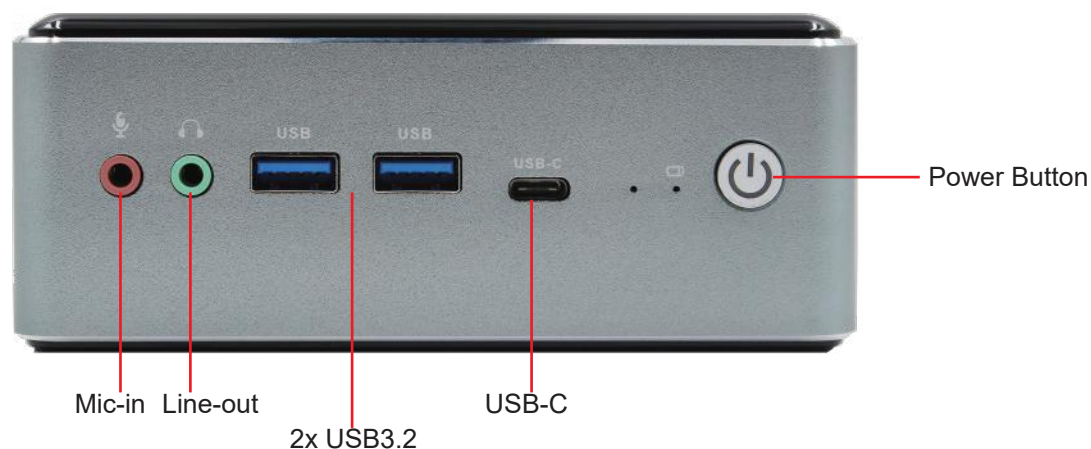


GPIO



Brightness

## I/O Interfaces



Wi-Fi



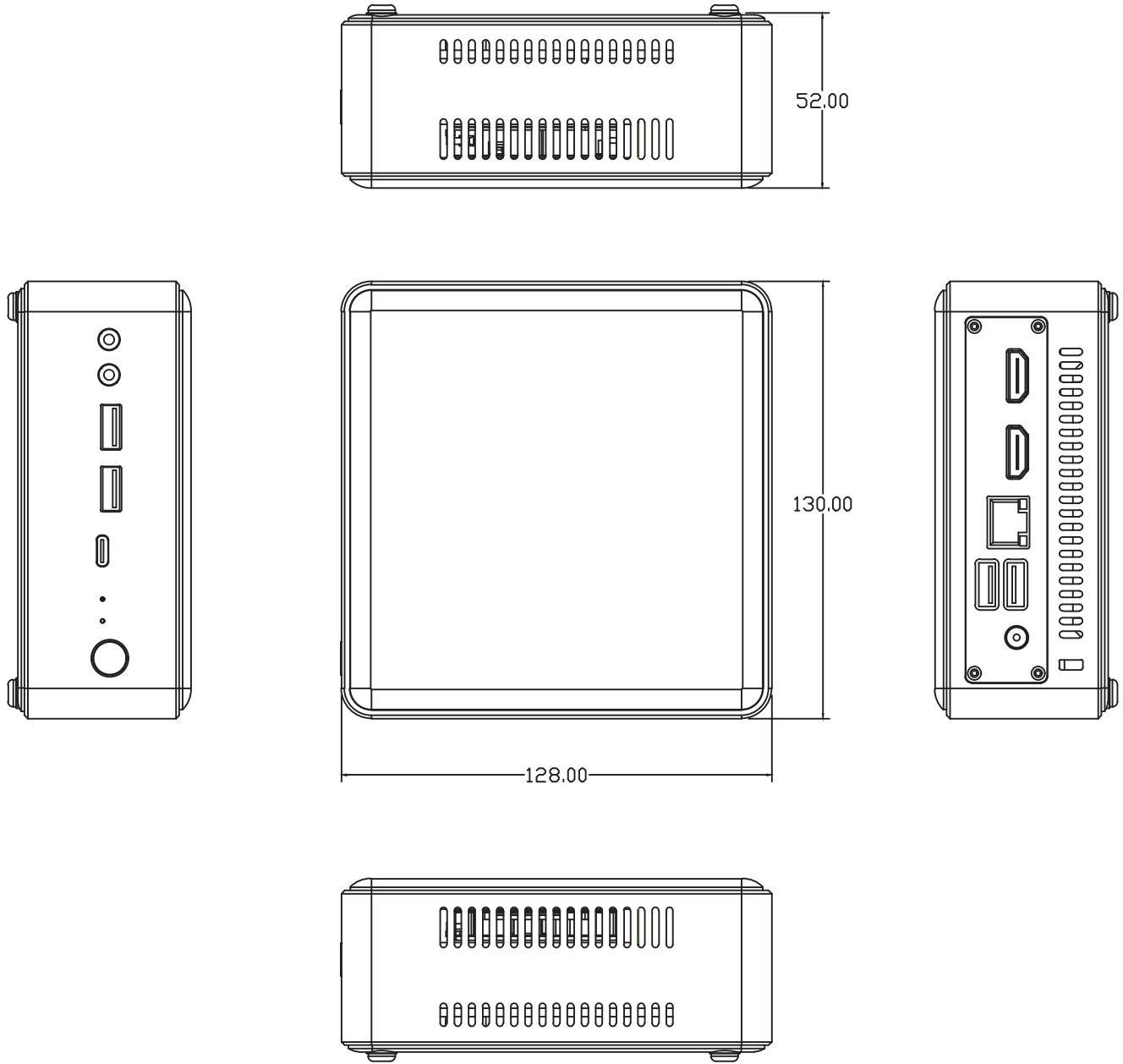
Bluetooth

## Technical Specifications

Processor	CPU	Celeron 6305	i3-1115G4	i5-1135G7/11320H	i7-1165G7	
	Turbo Frequency	/	4.1 GHz	4.2 GHz/4.5 GHz	4.7 GHz	
	Core Frequency	1.8 GHz	3.0 GHz	2.4 GHz/2.5 GHz	2.8 GHz	
	Cache	4 MB	6 MB	8 MB	12 MB	
	BIOS	AMI UEFI BIOS				
Memory	Type	Dual Channel SO-DIMM DDR4				
	Max Capacity	64GB				
Display	GPU	Intel Integrated Graphics (Iris Xe/UHD Graphics depends on CPU)				
	Display Port	2x HDMI 2.0				
Ethernet	Speed	10/100/1000 Mbps				
	Controller	RTL8111H				
	Interface	RJ-45				
Audio	Audio Codec	Realtek HD				
	Interface	Line-out, Mic-in, Audio header, Amplifier header				
Hardware	CPU temperature, system temperature, onboard voltage, watchdog					
Storage	M.2	1xM.2 for NVMe 2280 SSD				
	SATA3.0	1				
Expansion	M.2	1xM.2 for WiFi and Bluetooth				
I/O Interface	HDMI	2				
	USB2.0	2				
	USB3.2	2				
	LAN	1				
	Audio	1 x Line-out + 1 x Mic-in				
	DC-in	1				
	USB-C	1				
	Dimension	Size	128 mm x 130 mm x 52mm (L x W x H)			
	Power	Standard Port	12V/19V DC-in			
Temperature	Operating Temp.	0°C to 50°C				
	Storage Temp.	-20°C to 70°C				
Cooling	Active					
Operating System	Win10 64bit, Linux 64bit					

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

## Dimension



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