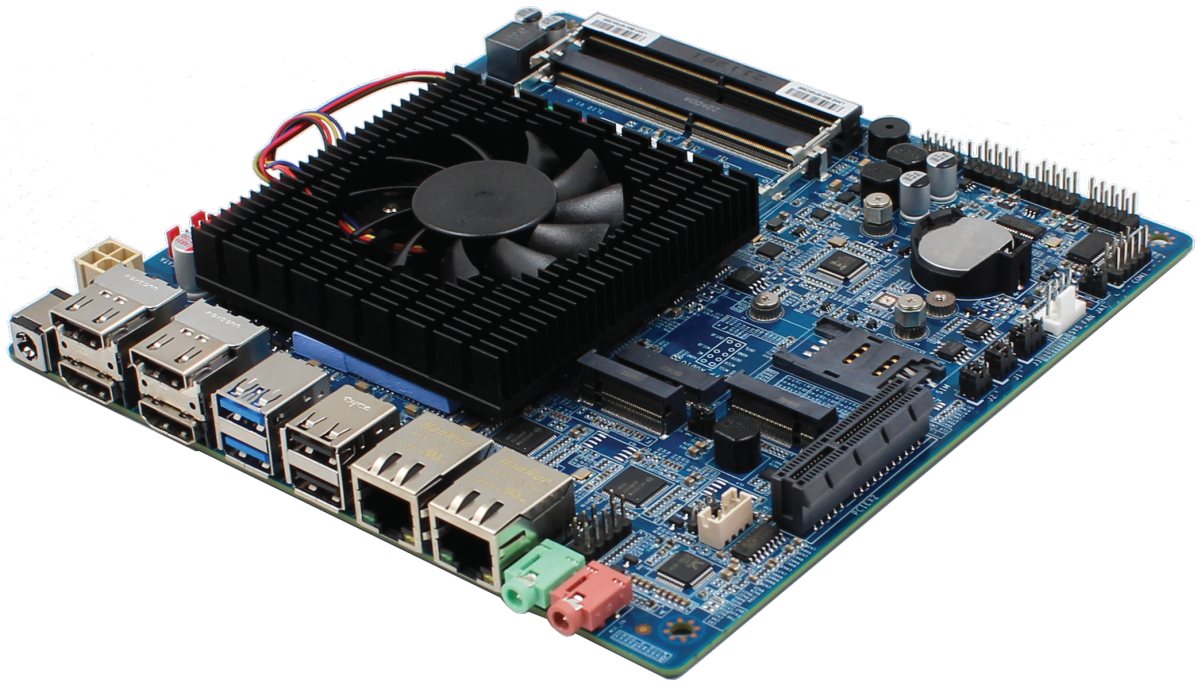
PRODUCT DATASHEET
HW Rev.: V1.1

TL-10

Intel Tiger Lake-U Processor based Mini ITX Motherboard with 4 HDMI



Features

- CPU: Intel Tiger Lake-U Processors
- Memory: Dual Channel SO-DIMM DDR4 UP to 64 GB
- Display: Intel Iris Xe Graphics display via 4xHDMI
- Ethernet: 10/100/1000 Mbps
- Storage: SATA, M.2 for NVMe SSD
- Expansion: M.2 For WiFi, M.2 for 4G/5G, PCIe2X
- Power: 12V/19 DC input

intel prestige partner Builder

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MAXIMIZING YOUR COMPUTING PRODUCTIVITY

Introduction

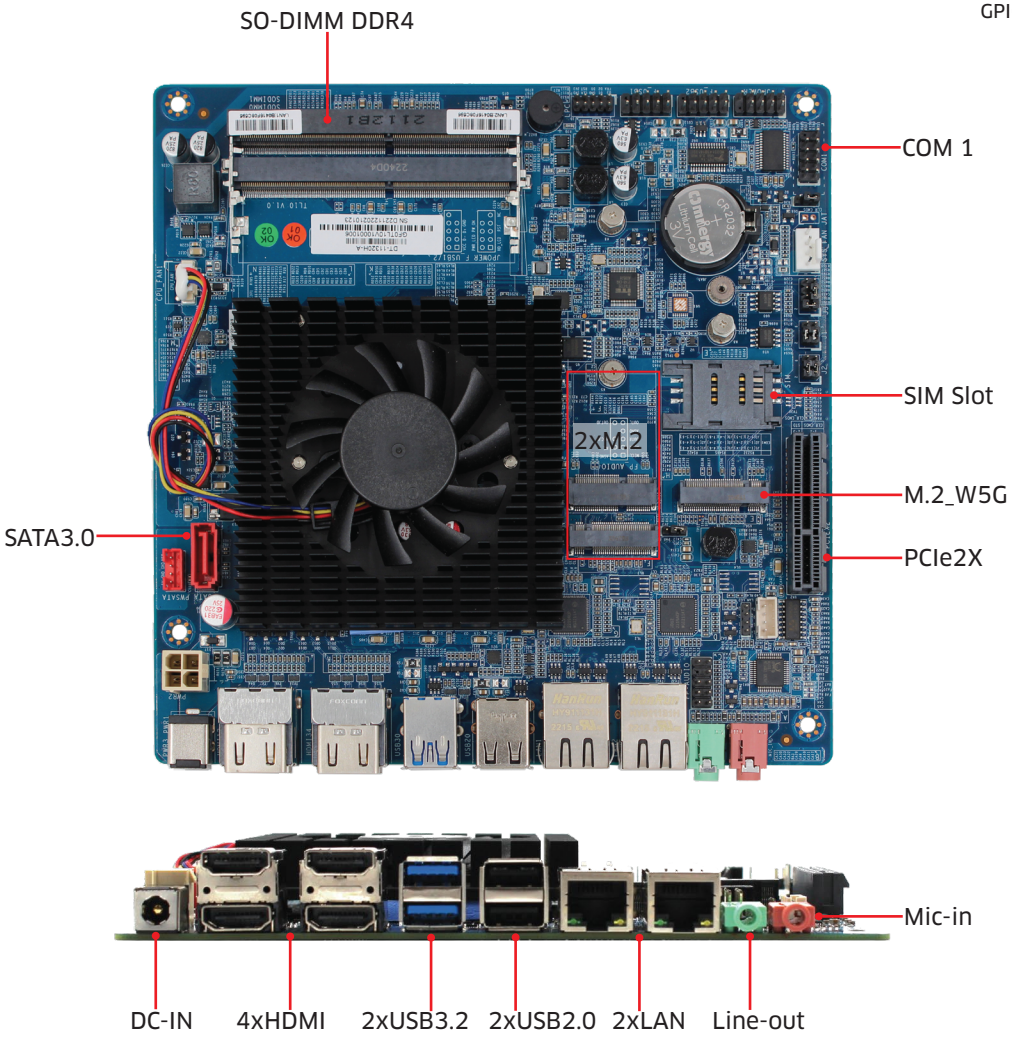
The Maxtang mini-ITX TL10 embedded motherboard is based on Intel Tiger Lake-U processors and provides a complete PC platform with high performance. It supports 4xHDMI2.0 displays in addition to dual-channel SO-DIMM DDR4 memory. Features with two 1-Gigabit Ethernet controllers, 3x M.2 for SSD modules, Wi-Fi, 4G/5G, a rich interface as 6 x USB2.0, 2 x USB3.2, 1 x Mic-in, 1 x Line-out, caters to most market requirements.

The TL10 is an ideal solution for applications requiring high-speed communication, front-end mini-server, or high-resolution display products; like electronic gaming machines, medical imaging, interactive digital signage, thin clients, or PDS terminals. It retains the robust design just like all other Maxtang products with cost advantages.

Linux
ubuntu
Windows

H/W Monitor
Watchdog
GPIO
Brightness

I/O Interfaces

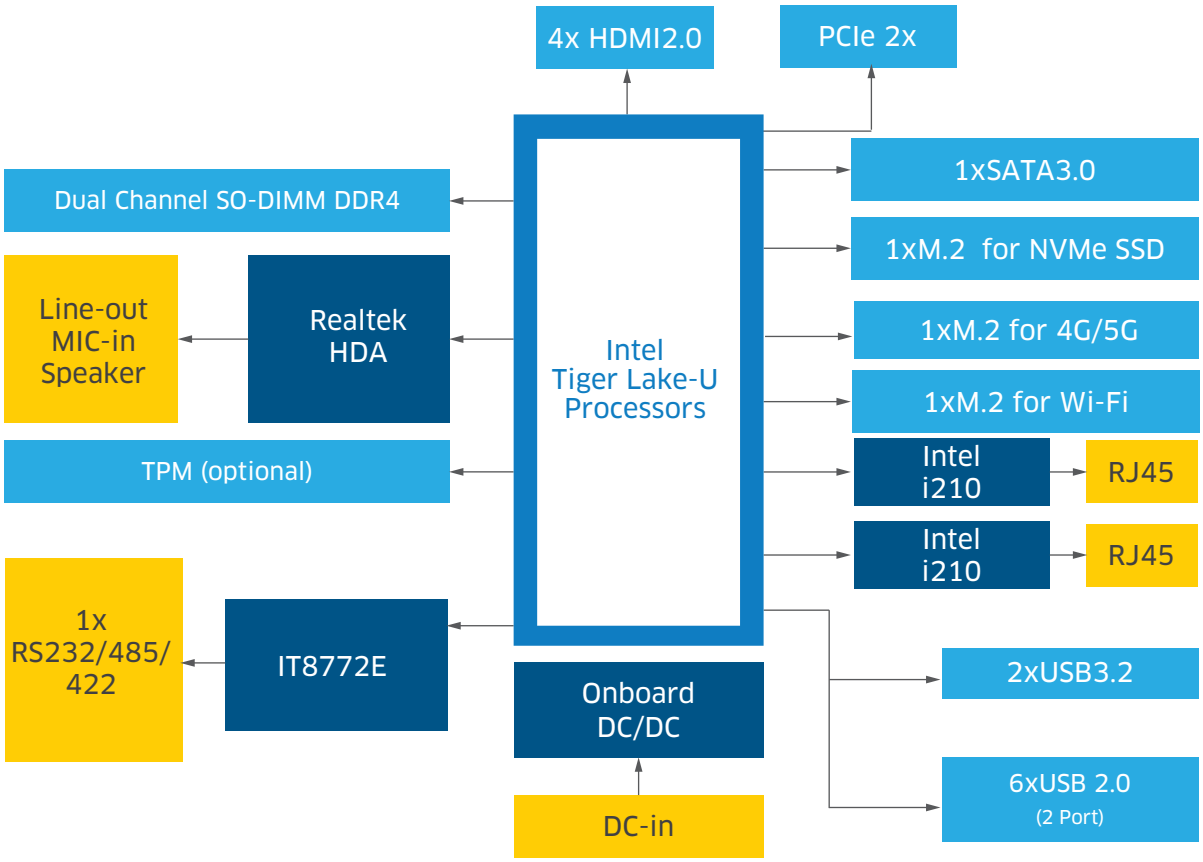


Technical Specifications

Processor	CPU	Celeron-6305/E	i5-1135G7	i5-11320H	i7-1165G7
	Base Frequency	1.80GHz	2.40GHz	2.50GHz	2.80GHz
	Max Turbo Frequency	/	4.20GHz	4.50GHz	4.70GHz
	Cache	4MB	8MB	8MB	12MB
	BIOS	AMI SPI BIOS			
Memory	Type	Dual Channel SO-DIMM DDR4			
	Max Capacity	64 GB			
Display	GPU	Intel® Integrated Graphics (Iris Xe/UHD Graphics depends on CPU)			
	Display via	4x HDMI 2.0, support 4 independent 4K Displays			
Ethernet	Speed	10/100/1000 Mbps			
	Controller	Intel i210			
	Interface	2xRJ 45			
Audio	Audio Codec	Realtek HD			
	Interface	Mic-in, Line-out, supports audio header and amplifier header			
Hardware		CPU System temperature, onboard voltage, watchdog			
Storage	M.2	1x M.2 for 2280 NVMe SSD			
	SATA3.0	1			
Expansion	M.2	1x M.2 for 4G/5G			
	M.2	1x M.2 for WiFi			
	PCIe 2x	1			
I/O Interface	LAN	2			
	COM	1xCOM: 1*RS232 default RS485/RS422 optional by jumper			
	USB 2.0	6xUSB2.0: 2*ports + 4*headers			
	USB 3.2	2xUSB3.2: 2*ports			
	LPC	1			
	Audio	1 x Line-out + 1 x Mic-in			
Dimension	Size	170mm x 170mm			
	Board Type	Mini ITX			
Power	Standard Port	12V/19V DC-in			
	Peripheral Input	For Fan and SATA			
Temperature	Operating Temp.	-20°C ~60°C			
	Storage Temp.	-40°C ~80°C			
Operating System		Windows 10/11 64 bit, Linux 64 bit			

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

Functional Block Diagram



Order Information

Model Name	Description
DT-11320H-A	DT MINI-ITX Intel Core i5-11320H TL10 2LAN 4HDMI 1COM
DT-1135G7-A	DT MINI-ITX Intel Core i5-1135G7 TL10 2LAN 4HDMI 1COM
DT-1165G7-A	DT MINI-ITX Intel Core i7-1165G7 TL10 2LAN 4HDMI 1COM
DT-6305-A	DT MINI-ITX Intel Celeron 6305 TL10 2LAN 4HDMI 1COM

*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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SHENZHEN MAXTANG COMPUTER CO., LTD.
303, 3/F, Building 2, Runzhi R&D Center, Xin'an Street, Bao'an District, Shenzhen, China 518133
Tel.: +86 755 86143003 I Fax: +86 755 86143003 I info@datangpc.com

www.maxtangpc.com