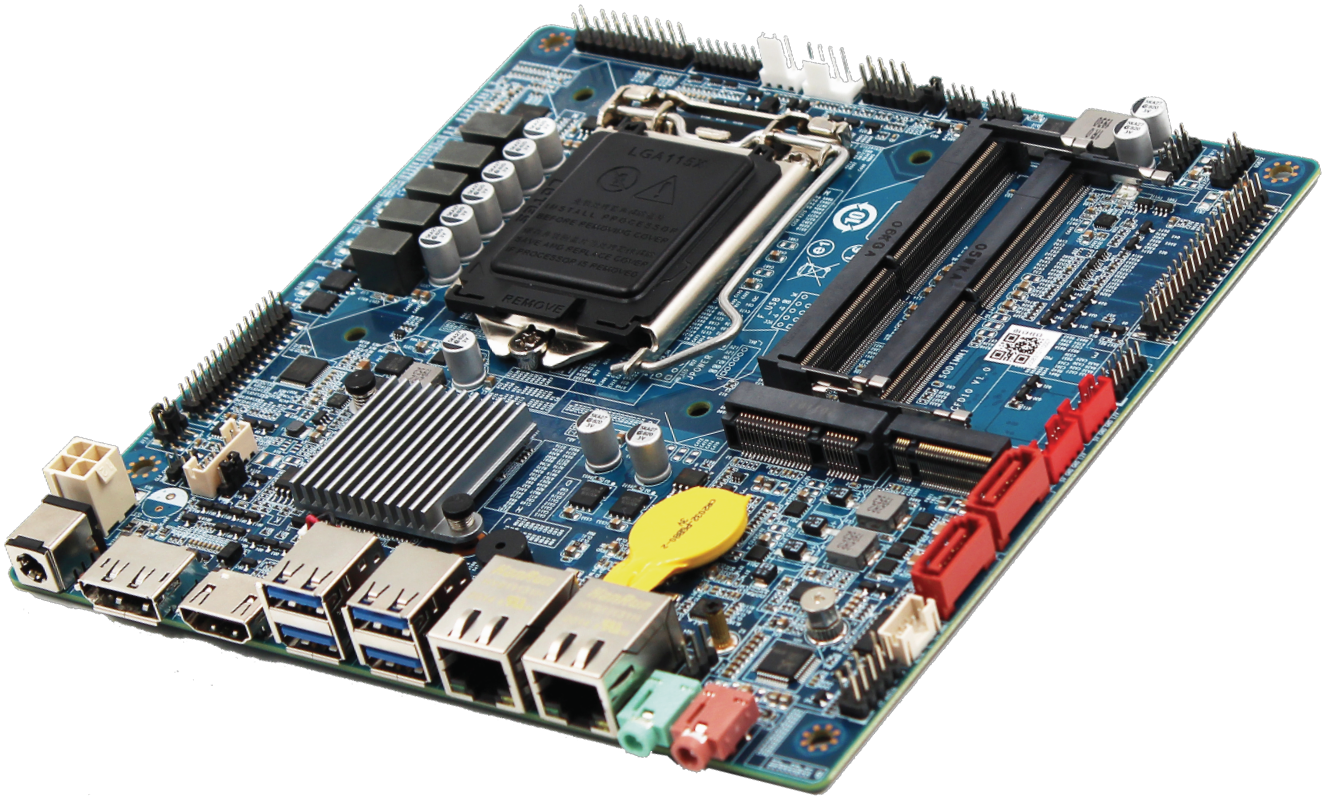
DATASHEET

CFD-10

Intel® Coffee Lake(FCLGA1151) Processor based Mini ITX Motherboard with H310 Chipset



Features

- CPU: Intel Coffee Lake LGA1151 Processor
- Memory: Dual Channel SO-DIMM DDR4 up to 64 GB
- Display: Intel Integrated Graphics via HDMI, DP, LVDS/eDP
- Ethernet: 10/100/1000 Mbps
- Storage: SATA3.0, M.2 for 2242 SSD
- Expansion: mini PCIe, SIM Card Slot
- Power: 19V DC input

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Introduction

The Maxtang mini-ITX CFD10 is an embedded motherboard, based on Intel Tiger Lake-U and provides a complete PC platform with high performance. Multiple displays are supported in addition to dual-channel SO-DIMM DDR4 memory. Features with 1-Gigabit Ethernet controllers, M.2 for SSD modules,2x SATA3.0. Optional TPM module for added security.

The CFD10 is an ideal solution for various applications like mini-server, high-resolution display products, electronic gaming machines, medical imaging, interactive digital signage, thin clients, or PDS terminals. A rich interface as 4 x USB2.0, 4 x USB3.2, 1x Mic-in, 1x Line-out and 2x LAN, catering to most market's requirement.

Linux

ubuntu

Windows

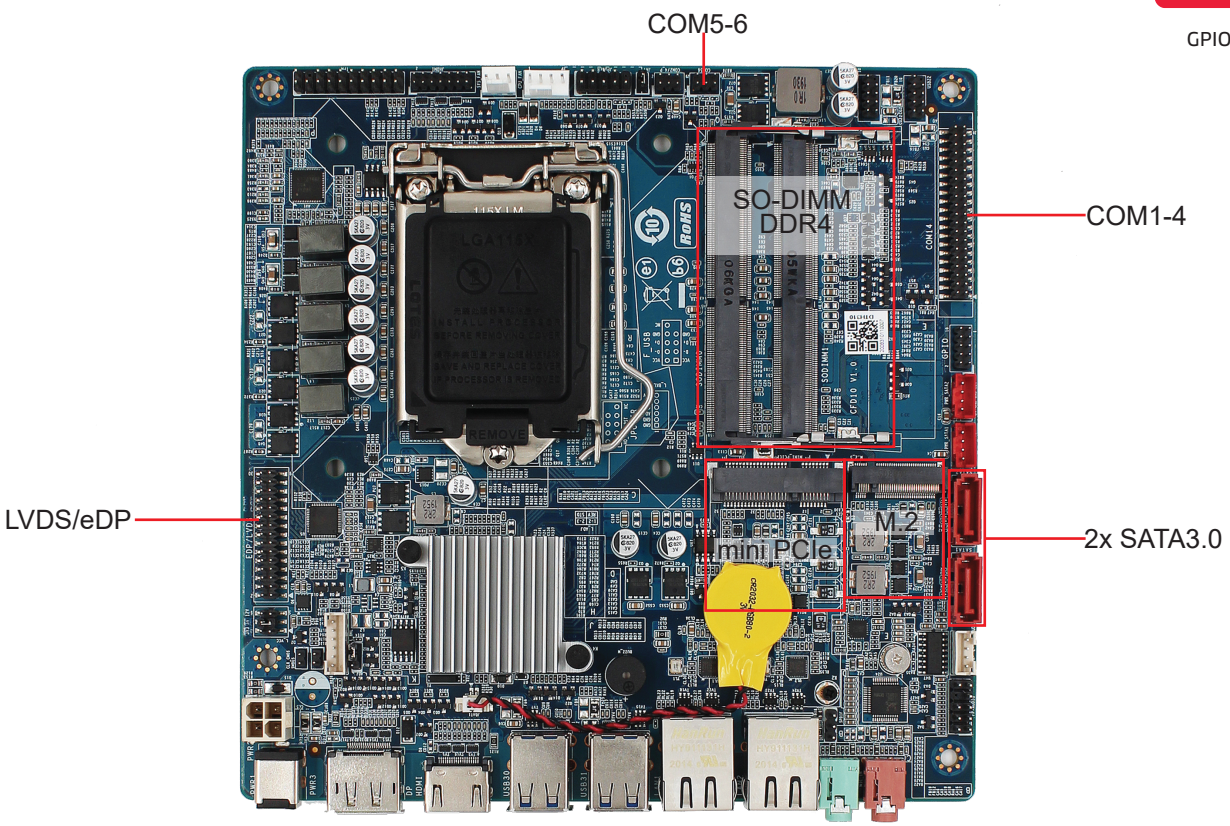
H/W Monitor

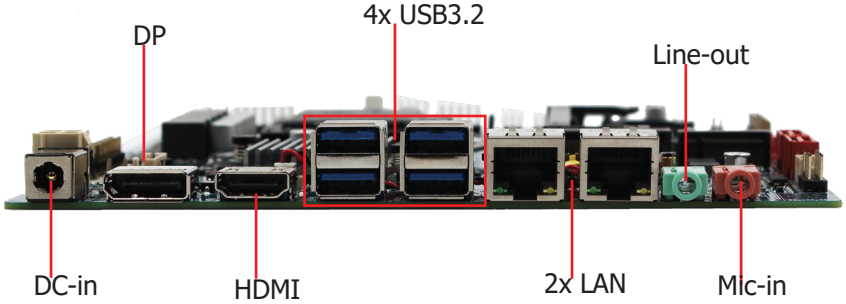
Watchdog

GPIO

Brightness

I/O Interfaces



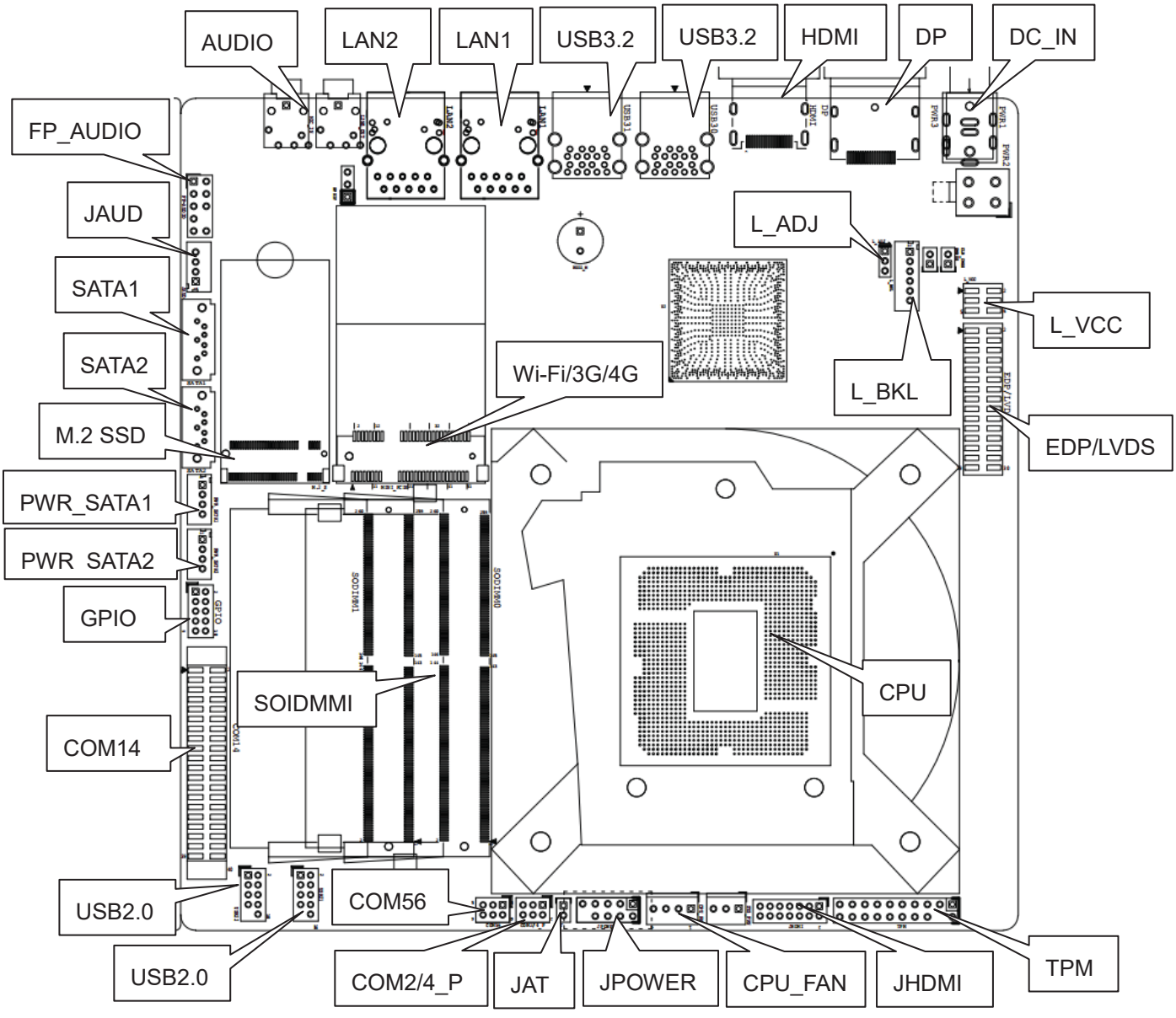


Technical Specifications

Processor	CPU	Intel Coffee Lake 8th, 9th Gen Processors (FCLGA1151)
	Chipset	H310
	BIOS	AMI UEFI BIOS
Memory	Type	Dual Channel SO-DIMM DDR4
	Max. Capacity	64 GB
Display	GPU	Integrated Graphics
	Display via	1x HDMI +1x HDMI(Pins)+1x DP+1x LVD /eDP
Ethernet	Speed	10/100/1000 Mbps
	Controller	Realtek RTL8111H
	Interface	2xRJ45
	Wake on LAN	Yes
Audio	Audio Codec	Realtek HD
	Interface	Mic-in, Line-out, Audio header, amplifier header
Hardware		CPU System temperature, onboard voltage, watchdog
Storage	M.2	1x M.2 for 2242 SSD,
	SATA3.0	2
Expansion	PCIe	1x mini PCIe
	SIM	1x SIM Card Slot
I/O Interface	LAN	2
	COM	4x RS232 + 2x RS485 (header)
	USB 2.0	4* header
	USB 3.2	4
	Audio	1x Line-out+ 1x Mic-in
	DC-in	1
	GPIO	8
	TPM2.0	Onboard Optional
Dimension	Size	170mm x 170mm
	Board Type	Mini ITX
Power	Standard Port	19V DC-in
	Peripheral Input	For Fan and SATA
Temperature	Operating Temp.	-20°C to 60°C
	Storage Temp.	-20°C to 60°C
Operating System		Windows 10 64 bit, Linux 64 bit

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

Connector Diagram



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