

# H110T-CM-A

Thin Mini-ITX, H110T Chipset, 2\*SO-DIMM, DP, HDMI, LVDS, 2\*M.2 slot (E Key, M Key)

## Features

- Supports Intel® 7th/6th Gen Core™ processors (LGA1151) with the Intel H110 chipset
- Supports Dual displays configuration by multiple interface: DP/ HDMI/ LVDS,
- Support 12V and 19V input via back-panel DC-in jack
- Wide temperature Range: 0~50°C



## Specifications

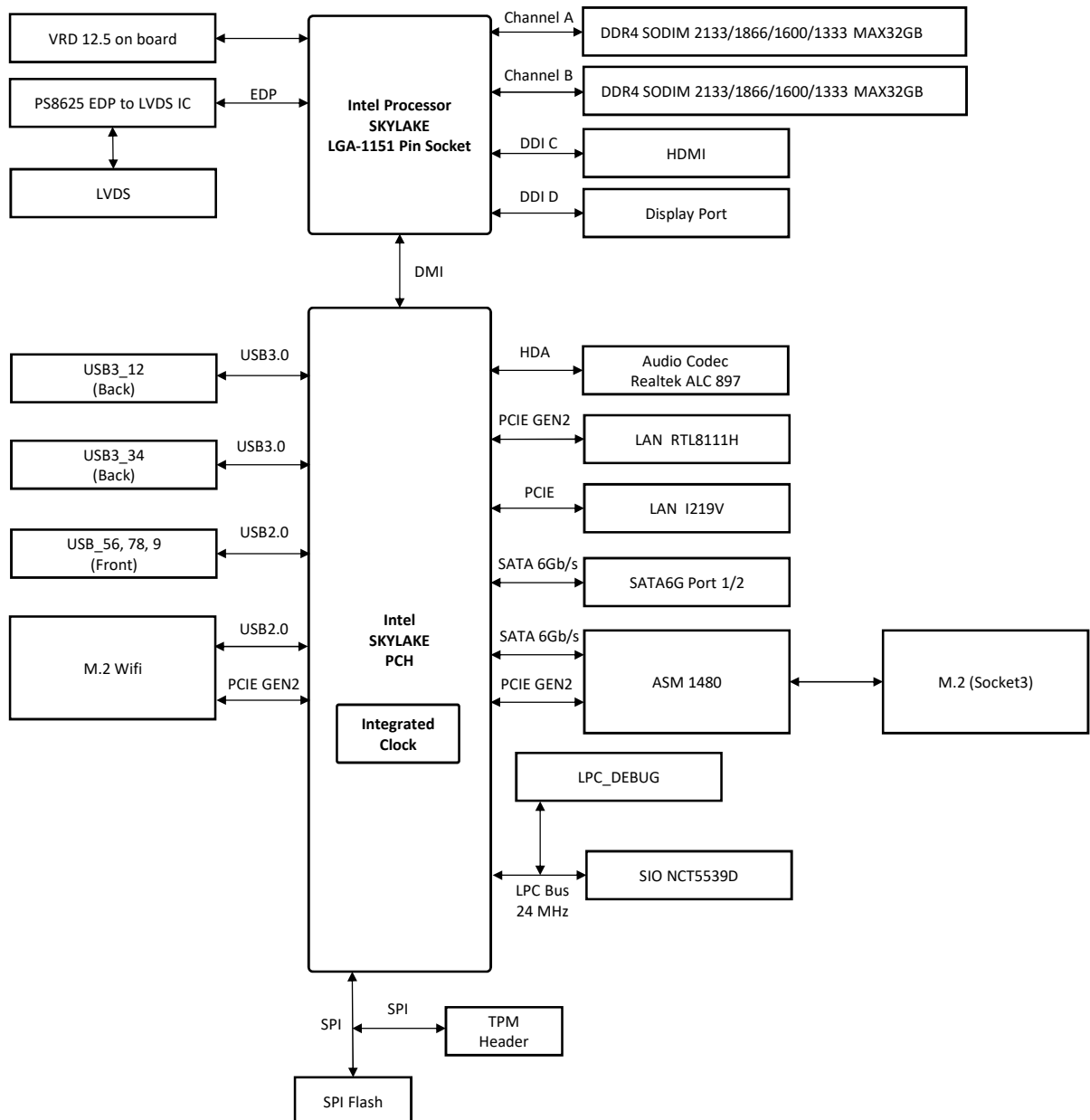
<b>Processor System</b>	CPU	Intel® for 7th/6th Generation Core™ i7/i5/i3/Pentium®/Celeron® Processors supports Intel® 14 nm CPU, support max. 65W CPU
	Chipset	Intel® H110 chipset
<b>Memory</b>	Technology	DDR4 2133/1866MHz, non-ECC, un-buffered Memory
	Max.	32GB
	Socket	2 x SO-DIMM
<b>Display</b>	DisplayPort	1, Supports up to 4096 x 2160 @ 60 Hz
	HDMI	1, Supports up to 4096 x 2160 @ 24 Hz / 2560 x 1600 @ 60 Hz
	LVDS	1, Supports up to 1920 x 1200 @ 60Hz
	Multi Display	HDMI/LVDS/DisplayPort ports, supports up to two displays simultaneously
<b>Expansion Slot</b>	M.2	1 x M.2 Socket 3 with M key, type 2242/2260 storage devices (SATA & PCIe mode) 1 x M.2 Socket 1 with E key, type 2230 for Wi-Fi/BT devices (PCIe/USB mode)
	<b>Ethernet</b>	Speed Controller/PHY Connector
<b>Audio</b>	Codec	Realtek ALC897-VA2 High Definition Audio
	Connector	Line-Out, Mic-In
<b>Storage</b>	SATA port	2 x SATA 6Gb/s port(s) 1 x SATA PWR CONN
	<b>Rear I/O</b>	DC power input
USB3.0 Port		4
HDMI		1
Display Port		1
Ethernet		2 x RJ45
Audio jack		2 (1 x LINE OUT, 1 x MIC in)
<b>Internal Connector</b>		Serial Port
	USB2.0 Header	3 x Headers Support Additional 5 USB 2.0 Connectors
	CPU Fan Header	1 (PWM Mode)
	Chassis Fan Header	1 (PWM Mode & DC Mode)
	Chassis Intrusion Header	1
	Front Panel Audio Header (AAFP)	1
	System Panel Header	1 (10-1 Pin)
	Clear CMOS Jumper	1
	Speaker Header	1 (4 pin)
	Internal Stereo Speaker Header	1 (4 pin)
	DMIC Header	1 (4 pin)
	RTC Battery Header	1 (2 pin)
	LVDS Signal Header	1 (support Dual Channel, 40 pin)
	LCD panel monitor switch Header	1 (2 pin)
	LVDS panel VCC power selection jumper	1 (6 pin)
	LVDS Backlight Panel selection header	1 (8 pin)
	Display Panel Backlight Power selection jumper	1 (3 pin)
LPC debug header	1 (10 pin)	
DC Power Connector	1 x 2pin ATX 19V/12V	

# Specifications

<b>Watchdog Timer</b>	BIOS	YES (SW porting)
<b>Security</b>	TPM	1 x SPI TPM header
<b>Power</b>	Power Type	DC in mode
	Voltage	Choose from either type below, and cannot be used at the same time - DC in 12V/19V - 2pin internal DC mode 12V / 19V
<b>Operating System</b>	Microsoft Windows	Windows 7 / Windows 8.1 / Windows 10 (64bit)
	Linux	Ubuntu, RedHat Enterprise, Fedora Workstation, OpenSUSE
<b>Environment</b>	Operating Temperature	0~50° C
	Non-Operating Temperature	-40~85° C
	Relative Humidity	5%~95%
<b>Dimension</b>	Form Factor	Thin Mini-ITX, 170 x 170 mm
<b>Certification</b>	EMC	CE, FCC

# Block Diagram

H110T-CM-A



## Ordering Information

Model Name	Part Number	Description
H110T-CM-A	90ME03C0*	H110T-CM-A//LGA1151,H110,USB3.1 G1,COM,MB
H110T-CM-A R2.0	90ME0430*	H110T-CM-A R2.0//LGA1151,H110,HDMI,DP,LVDS,COM,MB

## Packing List

Part number	Description	Quantity
13020*	IO shield	2
14013*	SATA 6G CABLE	1
13020*	SATA PWR Cable	1
13020*	M.2 Screw	2

\* The part number might vary due to part number revision.