

Motherboard

MIX-H310D1

Mini-ITX with 8th/9th Generation Intel® Core™ LGA1151 Socket Processor

**Order information**

- MIX-H310D1-A10-0001
mini-ITX.H310.2DDR4.1HDMI.1DP.2LAN.2COM.2SATA.2N
GFF.12VDC.REV.A1.02.TPM2.0

Optional Accessories

- 1759200172
(TF)CPU Cooler Fan, LGA 1156 socket, 4P, 12V, 2-Ball
Bearing, Dynatron, K785, (2U cooler)
- 175921156B
(TF)CPU Cooler Fan, LGA 1156 socket, 12V, 4P, 2Ball (Tray),
Dreamer, DSA-00273
- COOLER-65W-01
CPU Cooler, LGA 1156, 12V, 65W, 4P, Kingcooler, 0571-1463R
- 1709100201
USB 2.0 Cable (10P, 200mm, p=2.00mm, w/bracket)
- 1700100491
USB 2.0 Cable (2 x 5P, 490mm, p=2.00mm)
- 1709050201
USB 2.0 Cable (5P, 220mm, p=2.00mm)
- 1701100206
COM Cable (200mm, p=2.00mm)

Features

- 8th/9th Gen. Intel® Core™ LGA1151 Processor
- DDR4 SODIMM x 2, Up to 64 GB
- Two Independent Display: DP, HDMI, eDP, LVDS
- M.2 Slot (M-key, 2242) x 1, M.2 Slot (E-key) x 1
- PCIe [x4] x 1
- Low Profile
- 12V DC Power Input
- USB 3.2 Gen 1 x 4, USB 2.0 x 5

Specifications**SYSTEM**

Processor	8th/9th Gen. Intel® Core™ LGA 1151 socket Processor (formerly Coffee Lake-S), Max. 65W TDPs
Chipset	Intel® H310 Express Chipset
Memory	DDR4 2666 MHz SODIMM x 2, Up to 64GB, Non-ECC, Unbuffered Memory, Dual channel memory architecture
I/O Chipset	NCT6793D
Ethernet	Realtek® PCIe Gb LAN RTL8111H
TPM	TPM 2.0
Expansion Slots	PCIe3.0 [x4] x 1, M.2 E-key(22 x 30 mm) x 1 for Wireless-wifi module (PCIe+USB)
BIOS	128Mbit Flash ROM, AMI BIOS
H/W Monitor	Temperature Monitor on CPU/Chassis, Voltage Monitor on Vcore/5V/12V, Fan Monitor on CPU/Chassis
WatchDog Timer	1~255 steps by software program
Smart Fan Control	CPU Fan/ Chassis Fan
Wake On LAN/ PXE	Yes (WOL / PXE)
Power State	S3, S4, S5

GRAPHICS

Graphics Chipset	Intel® UHD Graphics
HDMI	Up to 4096 x 2304@24Hz (HDMI 1.4b)
Display Port	Up to 4096 x 2304@60Hz
LVDS	Up to 1920 x 1200 @ 60 Hz, dual-channel 18/24 bit (via CH 7511)
eDP	UP to 4096 x 2304 @ 60Hz
Backlight Control	Voltage/PWM

ENVIRONMENT & POWER & ME

Power Requirement	12V DC
Operation Temperature	32°F ~140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~185°F (-40°C ~85°C)
Operation Humidity	0%~90%RH, non-condensing
Certificate	CE & FCC
Form Factor	Mini-ITX: 6.7" x 6.7" (170mm x 170mm)
Weight	1.1 lb (0.5 Kg)
MTBF (Hours)	246,210

REAR PANEL I/O PORTS

USB	USB 3.2 Gen 1 (5 Gbps) x 4
Display I/O	DP x 1 + HDMI x 1
Audio I/O	Mic-in x 1, Line-out x 1
LAN I/O	LAN (RJ-45) port x 2
Others	DC Jack