

## Features

- Motherboard: MX310HD Mini ITX Motherboard
- Socket LGA 1151 supports 8th/9th Generation Intel® Core™/Pentium®/Celeron® Processors\*
- 2 x SoDIMM Up to 32GB Dual Channel DDR4 2400MHz Horizontal Type Memory Sockets
- Supports 2 Independent Displays: DisplayPort (DP++) and HDMI
- Rear USB: 2 x USB 3.1 Gen 1 Ports, 2 x USB 2.0, 2 x COM
- Front USB: 2 x USB 2.0
- Storage/Expansion: 2 x M.2
- 12V-24V Wide Range DC Input
- Dimensions: 8.6" x 8" x 2.17" (218x203x55mm)
- Supports TPM 2.0



## Specifications

System	
CPU	Socket LGA 1151 supports 8th/9th Generation Intel® Core™ / Pentium®/ Celeron® Processors (Coffee Lake and Coffee Lake Refresh Platform)
System Chipset	Intel® H310 PCH Chipset
System Memory	2 x SoDIMM Up to 32GB Dual Channel DDR4 2400MHz Horizontal Type Memory Sockets
Video	Intel® Integrated Graphic Engine
Audio Codec	Realtek HD Audio support 7.1 channel sound playback
Ethernet	LAN 1: Intel® I219-LM Gigabit LAN Controller LAN 2: Intel® I211-AT Gigabit LAN Controller
Expansion	1 x M.2 Type M 2242, 2280 Slot (with USB, PCIe x2 & SATA III) 1 x M.2 Type A/E 2230 (with USB & PCIe x1)
System Fan	1 x 60mm
Switch & Indicators	Front: 1 x Momentary Power Switch with Power LED and 1 x Momentary Reset Switch
Storage	Through M.2 Module
External I/O	
Display Interface	1 x HDMI 1 x DisplayPort (supports DP++)
USB	Front: 2 x USB 2.0 Rear: 2 x USB 3.1 Gen 1 Ports, 2 x USB 2.0
COM	2 x COM
Audio	1 x Line-out and 1 x Mic-in
LAN	2 x RJ45
Power Input	1 x DC-In Jack

## Mechanical & Environment

Power Type	12V-24V Wide Range DC-In
Power Adapter	Input: 100 ~ 240V / 50 ~ 60Hz Output: 90W Adapter (19V @ 4.73A)
Operating Temp	0 ~ 35°C (32 ~ 95°F)
Storage Temp	-20 ~ 60°C (-4 ~ 140°F)
Operation Humidity	10% ~ 86% Relative Humidity, Non-condensing
Exterior Color	Black
Dimensions	8.587" L x 8.00" W x 2.166" H (218.11mm L x 203.20mm W x 55.02mm H)
Certification Information	CE, FCC Class A
Weight	4.25 lbs

## Ordering Info

BI270-310HD	Intel® H310 Mini-ITX Industrial Computer/Barebone. Memory and HDD are not included.
-------------	---

\* All product specifications and images are subject to change without notice. Last update: 10/16/2023



BCM Advanced Research

11 Chrysler, Irvine, CA 92618 USA  
An Industry Leader in Industrial Motherboards  
& Embedded Computing

www.bcmcom.com

BCMSales@bcmcom.com  
(949) 470-1888