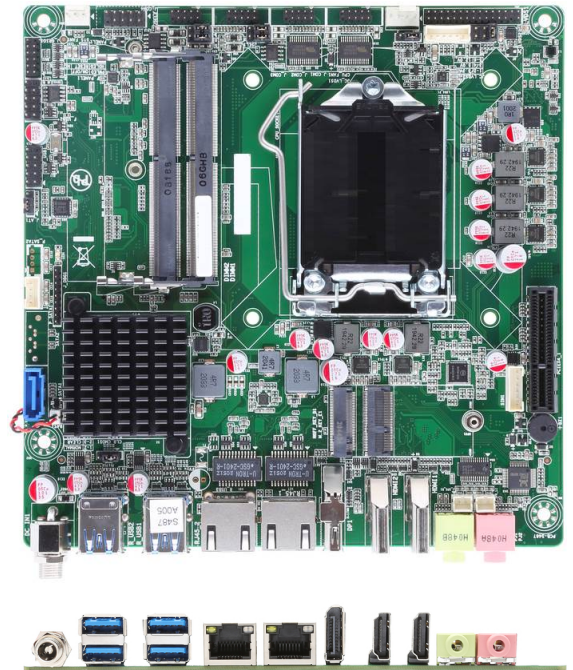
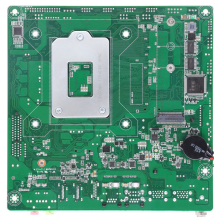


Features

- Intel Coffee Lake-S Core i7/i5/i3/Pentium/Celeron LGA1151 processor
- Intel Gen.10 Intel Graphics DX 11/12, OGL 4.3/4.4
- Support Dual Channel DDR4 2400/2666 MHz
- 2 x DDR4 SO-DIMM, up to 32GB
- 2 x HDMI, 1 x DP, 1 x Dual Channel 24-bit LVDS/eDP
- 4 x USB 3.0, 6 x USB 2.0, 2 x SATA3
- 1 x PCIe (x4), 1 x M.2 4G/5G, 1 x M.2 wifi/BT, 1 x M.2 SSD
- 2 x Gigabit Ethernet
- DC-in 12V power input



Core System

CPU	Intel 8th/9th Coffee Lake-S LGA1151 Socket i7/i5/i3/Pentium/Celeron Processor TDP Max. 65W
System Memory	Dual Channel DDR4 2400/2666 MHz SO-DIMM, up to 32GB
Chipset	Intel H310
BIOS	AMI
Storage	2 x SATAIII, 1 x M.2 (Key-B, 2242/2280, SATA SSD)
Watchdog Timer	1 - 255 steps by software program
Expansion Slot	1 x PCIe (x4) slot 1 x M.2 (Key-B, 3042-4G, 3052-5G) 1 x M.2 (Key-E, 2230, Wifi + BT)
Power Input	DC-in 12V
Smart Fan Control	-
Dimensions	170 x 170 mm
Operating Temperature	0°C to +60°C (+32°F to +140°F)
Storage Temperature	-20°C to +70°C (-4°F to +158°F)
Humidity	10% to 95% relative humidity, non-condensing

Rear I/O

USB	4 x USB 3.0
Display I/O	2 x HDMI 1 x Display Port ++
Audio I/O	1 x Mic-in / 1 x Line-out
LAN I/O	2 x RJ-45, Realtek 1Gbps PCIe Ethernet Controller
Serial Port	-
PS/2 Port	-
Others	1 x DC Jack

Internal Connectors

USB	6 x USB 2.0
Display I/O	1 x LVDS/eDP
Audio I/O	-
Serial Port	2 x RS-232, 2 x RS-232/485
Parallel Port	-
GPIO	1 x GPIO Header (Programmable support 4 in/4 out)
FAN	1 x CPU Fan header, 1 x System Fan header
Power	12 VDC-in
Others	1 x Front Panel Header, 1 x CMOS Clear Jumper, 1 x AT/ATX jumper

Graphics

Chipset	Intel Gen. 10 Graphics DX 11/12, OGL 4.3/4.4
VGA	-
DVI	-
HDMI	Up to 4096 x 2160 @ 24Hz
Display Port	Up to 4096 x 2304 @ 60Hz
LVDS	Dual Channel 24bit, up to 1920 x 1200 @ 60Hz (Default)
eDP	Up to 4096 x 2160 @ 60Hz

Others

OS Support	Windows 10, Linux
Certifications	CE / FCC