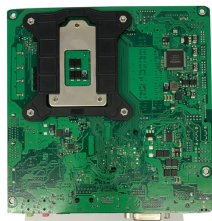


Features

- Intel Haswell-S Core i7/i5/i3/Pentium/Celeron LGA1150 processor
- Support Dual Channel DDR3 1333/1600 MHz
- 2 x DDR3 SO-DIMM, up to 16GB
- 1 x HDMI, 1 x DVI, 1 x LVDS
- 2 x USB 3.0, 6 x USB 2.0, 2 x SATA3
- 1 x Mini-PCIe, 1 x PCIe (x4), 1 x mSATA
- 1 x Intel Gigabit Ethernet
- 1 x TPM Header
- DC-in 12 -19V power input



Core System

CPU	Intel 4th Haswell-S LGA1150 Socket i7/i5/i3/Pentium/Celeron Processor TDP Max. 65W
System Memory	Dual Channel DDR3 1333/1600 MHz SO-DIMM, up to 16GB
Chipset	H81
BIOS	AMI
Storage	2 x SATAIII
Watchdog Timer	1 - 255 steps by software program
Expansion Slot	1 x Half size Mini-PCIe 1 x PCIe (x4) slot 1 x mSATA
Power Input	DC-in 12 - 19V
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	2 x USB 3.0 2 x USB 2.0
Display I/O	1 x HDMI 1 x DVI
Audio I/O	1 x Mic-in / 1 x Line-out
LAN I/O	1 x RJ45, Intel I217V Giga LAN
Serial Port	-
PS/2 Port	-
Others	-

Internal Connectors

USB	4 x USB 2.0
Display I/O	1 x VGA 1 x LVDS
Audio I/O	-
Serial Port	3 x RS-232, 1 x RS-232/422/485
Parallel Port	-
GPIO	1 x GPIO Header (Programmable support 4 in/4 out)
FAN	Support
Power	12 - 19 VDC-in
Others	1 x SATA Power con., 1 x Speaker Header, 1 x TPM Header

Graphics

Chipset	Intel HD Graphics
VGA	Share with DVI
DVI	Up to 1920 x 1200
HDMI	Up to 4096 x 2304
Display Port	-
LVDS	Support
eDP	-

Others

OS Support	Windows 10, Windows 7, Linux
Certifications	CE / FCC
Bios Version	P2.7
Bios Release Date	20200807