



- Supports Intel® CNVi

Lake processors

1 Phase Thermal Design

Power

100% Solid capacitor
design

Supports DirectX® 12

Supports HDMI 1.4b &

Premium Audio

Supports DP 1.2 (only with mainboard version with DP port)

GRAPHICS

MEMORY	Single-channel DDR4
	Memory architecture
	Supports DDR4 2400
	non-ECC, Un-buffered
	SDRAM Memory
EXPANSION SLOT	1 X DDR4 SO-DIMM
	socket
	Support up to 8 GB
	1 X M.2 slot for WiFi/BT PCIe Gen 2
	1 X M.2 slot for SSD
Storage	SATA SSD Support
	Supports Intel® CNVi
	Support by Gemini Lake Express Chipset
	2 X Serial ATA III 6Gb/s
	6-Channel HD audio
Audio	CODEC Realtek ALC662
	Realtek ALC662 6-channel
	High Definition audio
	CODEC
	Meets performance
	requirements for Microsoft
	WLP 3.08 Vista premium
	and mobile PCs
	Six channel DAC supports
	16/20/24-bit PCM format
LAN	for 5.1 channel audio
	solution
	Emulation of 26 sound
	environments to enhance
	gaming experience
	Voice Cancellation and
	Key Shifting in Karaoke
	mode
	Compatible with Direct
	Sound 3D™, A3D™,
USB	I3DL2
	Realtek 8111H Gigabit
	Fast Ethernet Controller
	4 X USB3.1 Gen1 port(s) up to 5Gb/s (either rear I/O or front header)
	6 X USB2.0 port(s) Up to 480 Mb/s [Back Panel 2 port(s), Onboard 4 port(s)]
REAR PANEL I/O	1 X PS/2 Keyboard & PS/2
	mouse connectors
	1 X Audio port (Line
	Out/Line In/Mic In)
	1 X RJ-45 port
	1 X HDMI port(s)
	1 X D-Sub (VGA) port(s)
	1 X Display port (optional
	instead of D-SUB (VGA))
	1 X DC-in 19V Connector

**CONNECTORS &
HEADERS**

1 X 4-pin SYS_FAN
connector
1 X Front Panel
MIC/Speaker out header
1 X Front Panel
switch/LED header
2 X USB 2.0 header
1 X CLR_CMOS header
2 X Serial port header
(COM)
1 X Parallel port header
(LPT)
1 X eDP header (optional)

SYSTEM BIOS

AMI BIOS with 128 MB
SPI Flash ROM
Supports M.I.B III Utility
Dual Display
Support GUI UEFI BIOS
Multi-Language BIOS

FORM FACTOR

Mini ITX Form Factor
170*170

OS Support

Windows 10 64-bit
Windows 10 32-bit

Certifications

CE/FCC Certification
WHQL Certification

Bundled Software

ECS Intelligent EZ Utility :
eBLU, eDLU