

Features

- Socket rPGA 947 Intel® Core™ i7/i5/i3/mobile processor (Haswell)
- Intel® QM87 Chipset
- Integrated Intel® HD Graphics Built-in Visuals
- Supports DDR3 1600 MHz, 2x SO-DIMM, up to 16 GB system memory
- 2x COM (RS 232/422/485), 4x COM (RS 232)
- 1x VGA, 1x HDMI, 2x DisplayPort, 24bit Dual Channel LVDS
- 4x USB 3.0, 8x USB 2.0, 4x SATA3
- 1x mini-PCIe, 1x mSATA, 1x PCIe (x16)
- Gigabit LAN: 1x Intel® I217LM (with v-Pro support), 1x Intel® I210
- 1x TPM Header



Specifications

Processor System

CPU	Socket rPGA947 for Intel® Core™ i7/i5/i3/mobile processor (Haswell)
Model	-
Core Number	By CPU (max 4)
Max Speed	By CPU
L3 Cache	By CPU
BIOS	UEFI
Chipset	QM87

Expansion Slot

PCI	0
Mini PCIe	1 (Full-size)
mSATA	1 (Full-size)
PCIe	1 (x16) with Riser card extend to x8+x8 or x8+x4+x4
C-Fast card socket	0

Memory

Technology	Dual Channel DDR3 1066/1333/1600 Mhz SDRAM
Max. Socket	16 GB 2x SO-DIMM

Graphics

Controller	Intel HD Graphics (by CPU)
VRAM	Shared Memory
VGA	Support max. resolution 2048 x 1536
LVDS	1
HDMI	supports HDMI 1.4a, max res. 1920 x 1200
DVI	No
Display Port	supports max resolution 2560 x 1200
Multi Display	Yes (Three Display)

SATA

Max Data Transfer Rate	SATA2 (3.0GB/s), SATA3 (6.0GB/s), supports RAID 0/1/5/10
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Ethernet

Interface Controller	10/100/1000 Mbps GbE LAN1: Intel® I210 LAN2: Intel® I217LM (with v-Pro support)
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Rear I/O

VGA	1
HDMI	1
DVI-I/D	0
Display Port	2
Ethernet	2
USB	4x USB 3.0 compliant
Audio	2 (Mic-In, Line-Out)
Serial	2 (RS 232/422/485)
PS/2	0

Power

Power Input	12-19V DC
Power On	AT/ATX Supported AT: Directly PWR on as power input ready ATX: Press button to PWR on after power input ready

Meccanical

Construction	Black Steel Chassis
IP rating	None
Mounting	Wall Mounting
Dimension	225.8 x 113.8 x 223
Net Weight	-

Environment

Operating Temperature	0°~60°C
Storage Humidity	-
Certification	CE

Operating System Support

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