

Q87M-E

CPU

Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors

Supports Intel® 22 nm CPU

Supports Intel® Turbo Boost Technology 2.0

* The Intel® Turbo Boost Technology 2.0 support depends on the CPU types.

Chipset

Intel® Q87

Memory

4 x DIMM, Max. 32GB, DDR3 1600/1333/1066 MHz Memory

Dual Channel Memory Architecture

* Refer to www.asus.com for the Memory QVL (Qualified Vendors Lists).

Graphic

Integrated Graphics Processor

Multi-VGA output support : HDMI/DVI-D/RGB/DisplayPort ports

- Supports HDMI with max. resolution 4096 x 2160 @ 24 Hz / 2560 x 1600 @ 60 Hz
- Supports DVI-D with max. resolution 1920 x 1200 @ 60 Hz
- Supports RGB with max. resolution 1920 x 1200 @ 60 Hz
- Supports DisplayPort with max. resolution 4096 x 2160 @ 24 Hz / 3840 x 2160 @ 60 Hz

Multi-GPU Support

Supports AMD Quad-GPU CrossFireX™ Technology

Expansion Slots

1 x PCIe 3.0/2.0 x16 (yellow)

1 x PCIe 2.0 x16 (x4 mode, dark brown)

2 x PCI

Storage

Intel® Q87 chipset :

6 x SATA 6Gb/s port(s), yellow

LAN

Intel® I217LM, 1 x Gigabit LAN Controller(s)

Audio

Realtek® ALC887-VD 8-Channel High Definition Audio CODEC

- Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking, Anti-pop Function

USB Ports

Intel® Q87 chipset :

4 x USB 3.0 port(s) (2 at back panel, , 2 at mid-board)

Intel® Q87 chipset :

10 x USB 2.0 port(s) (4 at back panel, , 6 at mid-board)

Special Features

ASUS 5X PROTECTION :

- ASUS DIGI+ VRM - 4 Phase digital power design
- ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention
- ASUS ESD Guards - Enhanced ESD protection
- ASUS All 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability
- ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating

ASUS EPU :

- EPU

ASUS Exclusive Features :

- GPU Boost
- AI Suite 3
- Ai Charger
- Anti-Surge
- ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface
- Network iControl
- USB 3.0 Boost

ASUS Quiet Thermal Solution :

- ASUS Fan Xpert 2

ASUS EZ DIY :

- ASUS CrashFree BIOS 3
- ASUS EZ Flash 2
- ASUS MyLogo 2

ASUS Q-Design :

- ASUS Q-Slot
- ASUS Q-DIMM

100% All High-quality Conductive Polymer Capacitors

TPM IC Onboard

Back I/O Ports

1 x PS/2 keyboard (purple)

1 x PS/2 mouse (green)

1 x DVI-D

1 x D-Sub

1 x DisplayPort

1 x HDMI

1 x LAN (RJ45) port(s)

2 x USB 3.0

4 x USB 2.0
3 x Audio jack(s)

Internal I/O Ports

1 x USB 3.0 connector(s) support(s) additional 2 USB 3.0 port(s)
3 x USB 2.0 connector(s) support(s) additional 6 USB 2.0 port(s)
1 x LPT1 header
2 x COM port(s) connector(s)
6 x SATA 6Gb/s connector(s)
1 x CPU Fan connector(s)
2 x Chassis Fan connector(s)
1 x 24-pin EATX Power connector(s)
1 x 8-pin ATX 12V Power connector(s)
1 x Front panel audio connector(s) (AAFP)
1 x Internal speaker connector(s)
1 x System panel(s)
1 x Chassis Intrusion connector(s)
1 x Clear CMOS jumper(s)

Accessories

User's manual
I/O Shield
2 x SATA 6Gb/s cable(s)

BIOS

128 Mb Flash ROM, AMI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.5, ACPI 2.0a, Multi-language BIOS, ASUS EZ Flash 2, ASUS CrashFree BIOS 3

Manageability

WfM 2.0, DMI 2.0, WOL by PME, WOR by PME, PXE

Support Disc

Drivers
ASUS Utilities
ASUS Update
Anti-virus software (OEM version)

Form Factor

mATX Form Factor
9.6 inch x 8.8 inch (24.4 cm x 22.4 cm)