

COMPATIBILITY INFORMATION:

- CPU

AMD AM3+ FX™/Phenom™ II/Athlon™ II/Sempron™ 100 Series Processors
Supports AM3+ 32 nm CPU
Supports CPU up to 8 cores
Supports CPU up to 140 W
AMD Cool 'n' Quiet™ Technology

- Chipset

AMD 990FX/SB950

- Memory

4 x DIMM, Max. 32GB, DDR3 2400(O.C.)/2000(O.C.)/1600/1333/1066 MHz ECC,
Non-ECC, Un-buffered Memory
Dual Channel Memory Architecture

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

* Due to OS limitation, when installing total memory of 4GB capacity or more, Windows® 32-bit operation system may only recognize less than 3GB. Install a 64-bit Windows® OS when you want to install 4GB or more memory on the motherboard.

- System Bus

Up to 5.2 GT/s

- Multi-GPU Support

Supports NVIDIA® Quad-GPU SLI™ Technology
Supports NVIDIA® 3-Way SLI™ Technology
Supports AMD 3-Way CrossFireX™ Technology

- Expansion Slots

3 x PCIe 2.0 x16 (dual x16 or x16/x8/x8)
1 x PCIe 2.0 x16 (x4 mode)
2 x PCIe 2.0 x1

- Storage

AMD SB950 controller :

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

Support Raid 0, 1, 5, 10

ASMedia® ASM1061 controller :

2 x SATA 6Gb/s port(s), red

2 x eSATA 6Gb/s port(s), red

- LAN

Intel®, 1 x Gigabit LAN Controller(s)

- Audio

SupremeFX IV built-in 8-Channel High Definition Audio CODEC

- Supports : Jack-detection, Multi-recording, Front Panel Jack-retasking

Audio Feature :

- SupremeFX Shielding™ Technology

- 1500 uF Audio Power Capacitor

- Gold-plated jacks

- Blu-ray audio layer Content Protection

- DTS Ultra PC II

- DTS Connect

- Optical S/PDIF out port(s) at back panel

- USB Ports

ASMedia® USB 3.0 controller :

6 x USB 3.0 port(s) (4 at back panel,)

- ROG Exclusive Features

ROG Connect :

- RC Diagram

- RC Remote

- RC Poster

- GPU TweakIt

Extreme Engine Digi+ II :

- 8 + 2 phase power design

- 2 -phase Memory power design

UEFI BIOS features :

- ROG BIOS Print

- GPU.DIMM Post

iROG

Extreme Tweaker

Overclocking Protection :

- COP EX (Component Overheat Protection - EX)
- ASUS C.P.R.(CPU Parameter Recall)

- Special Features

ASUS Power Design :

- ASUS EPU

TurboV

ASUS Exclusive Features :

- AI Suite II
- Ai Charger+
- USB 3.0 Boost
- Disk Unlocker

ASUS Quiet Thermal Solution :

- ASUS Fan Xpert

ASUS EZ DIY :

- ASUS O.C. Profile
- ASUS CrashFree BIOS 3
- ASUS EZ Flash 2
- ASUS MyLogo 3

ASUS Q-Design :

- ASUS Q-Shield
- ASUS Q-Cable
- ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED)
- ASUS Q-Slot
- ASUS Q-DIMM
- ASUS Q-Connector

- Back I/O Ports

- 1 x PS/2 keyboard/mouse combo port(s)
- 1 x eSATA 6Gb/s
- 1 x LAN (RJ45) port(s)
- 4 x USB 3.0
- 8 x USB 2.0 (one port can be switched to ROG Connect)
- 1 x Optical S/PDIF out
- 6 x Audio jack(s)
- 1 x Clear CMOS button(s)
- 1 x ROG Connect On/ Off switch(es)

- Internal I/O Ports

- 1 x USB 3.0 connector(s) support(s) additional 0 USB 3.0 port(s)
- 2 x USB 2.0 connector(s) support(s) additional 0 USB 2.0 port(s)
- 1 x TPM connector(s)
- 8 x SATA 6Gb/s connector(s)

2 x CPU Fan connector(s)
3 x Chassis Fan connector(s)
3 x Optional Fan connector(s)
1 x S/PDIF out header(s)
1 x 24-pin EATX Power connector(s)
8 x 8-pin ATX 12V Power connector(s)
4 x 4-pin ATX 12V Power connector(s)
1 x Front panel connector(s)
1 x System panel(s)
1 x DirectKey Button(s)
1 x DRCT header(s)
8 x ProbelIt Measurement Points
3 x Thermal sensor connector(s)
1 x EZ Plug connector(s) (4-pin Molex power connector)
1 x Power-on button(s)
1 x Reset button(s)
1 x Go Button(s)
0 x FastBoot switch(es)

- Accessories
- BIOS

64Mb Flash ROM, UEFI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.5, ACPI2.0a, Multi-Language BIOS

- Manageability

WOL by PME, WOR by PME, PXE

- Support Disc

Drivers

GameFirst II

Kaspersky® Anti-Virus

DAEMON Tools Pro Standard

ROG CPU-Z

ASUS WebStorage

ASUS Utilities (AI SUITE II/TurboV EVO/ASUS Update)

- Form Factor