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Product List

- Intel Socket 1156
- Intel Socket 1366
- Intel Socket 775
- Intel Socket 479/437
- Intel Socket 478
- AMD Socket AM3
- AMD Socket AM2+ (AM3 CPU Support)
- AMD Socket AM2 (AM3 CPU Support)

>> Other Sockets



Enlarge View



Enlarge View







GA-790XTA-UD4 (rev. 1.0)

AMD 790X + SB750 Chipset

1. Ultra Durable 3 Technology with copper cooled quality for lower working temperature
2. Revolution energy saving design with Easy Energy Saver technology
3. Supports newest NEC SuperSpeed USB 3.0 with superfast transfer rates of up to 5 Gbps
4. 3X USB power delivery for greater compatibility and extra power for USB devices
5. Provides newest Marvell SE9128 high speed SATA3 storage interface with superfast 6Gbps link speed
6. Supports AMD AM3 Phenom II/ Athlon II processors
7. Advanced 8+2 phase CPU VRM power design for AMD high-TDP 140W CPU support
8. Dual Channel DDR3 1866+ for remarkable system performance
9. 2 PCI-E 2.0 x16 interface with ATI CrossFireX support for ultimate graphics performance
10. Patented GIGABYTE DualBIOS™ technology delivering highest level failure protection
11. Supports Dolby Home Theater audio to enjoy a rich surround sound experience
12. The Precision OV provides more precision voltage control for system
13. Compatible with Window 7 to deliver the best operation experience
14. Meet European Union EuP(Energy-using Products) requirement.

BOOKMARK Help

Related link

- Overview (RSS)
- Specification (RSS)
- BIOS (RSS)
- Driver (RSS)
- Manual (RSS)
- CPU Support List
- Memory Support List
- Comparison Sheet
- Where To Buy

Specifications

CPU	1. Support for Socket AM3 processors: AMD Phenom™ II processor / AMD Athlon™ II processor
Hyper Transport Bus	1. 5200 MT/s
Chipset	1. North Bridge: AMD 790X 2. South Bridge: AMD SB750
Memory	1. 4 x 1.5V DDR3 DIMM sockets supporting up to 16 GB of system memory (Note 1) 2. Dual channel memory architecture 3. Support for DDR3 1866(OC)(Note 2)/1333/1066 MHz memory modules
Audio	1. Realtek ALC889 codec 2. High Definition Audio 3. 2/4/5.1/7.1-channel 4. Support for Dolby Home Theater 5. Support for S/PDIF In/Out 6. Support for CD In
LAN	1. 1 x Realtek 8111D chip (10/100/1000 Mbit)
Expansion Slots	1. 1 x PCI Express x16 slot, running at x16 (PCIEX16) (Note 3)

	2. 1 x PCI Express x16 slot, running at x8 (PCIEX8) (Note 3) (The PCIEX16 and PCIEX8 slots conform to PCI Express 2.0 standard.) 3. 2 x PCI Express x1 slots 4. 3 x PCI slots
Multi-Graphics Technology	1. Support for ATI CrossFireX™ technology
Storage Interface	Chipset: 1. 1 x IDE connector supporting ATA-133/100/66/33 and up to 2 IDE devices 2. 6 x SATA 3Gb/s connectors (SATA2_0, SATA2_1, SATA2_2, SATA2_3, SATA2_4, SATA2_5) supporting up to 6 SATA 3Gb/s devices 3. Support for SATA RAID 0, RAID 1, RAID 5, RAID 10, and JBOD Marvell 9128 chip: 1. 2 x SATA 6Gb/s connectors (GSATA3_6, GSATA3_7) supporting up to 2 SATA 6Gb/s devices 2. Support for SATA RAID 0 and RAID 1 JMicron JMB362 chip: 1. 2 x eSATA 3Gb/s connectors on the back panel supporting up to 2 SATA 3Gb/s devices 2. Support for SATA RAID 0, RAID 1, and JBOD iTE IT8720 chip: 1. 1 x floppy disk drive connector supporting up to 1 floppy disk drive
USB	Chipset: 1. Up to 10 USB 2.0/1.1 ports (6 on the back panel, 4 via the USB brackets connected to the internal USB headers) NEC chip: 1. Up to 2 USB 3.0/2.0 ports on the back panel
IEEE 1394	T.I. TSB43AB23 chip 1. Up to 3 IEEE 1394a ports (2 on the back panel, 1 via the IEEE 1394a bracket connected to the internal IEEE 1394a header)
Internal I/O Connectors	1. 1 x 24-pin ATX main power connector 2. 1 x 8-pin ATX 12V power connector 3. 1 x floppy disk drive connector 4. 1 x IDE connector 5. 6 x SATA 3Gb/s connectors 6. 2 x SATA 6Gb/s connectors 7. 1 x CPU fan header 8. 2 x system fan header 9. 1 x power fan header 10. 1 x front panel header 11. 1 x front panel audio header 12. 1 x CD In connector 13. 1 x S/PDIF In header 14. 1 x S/PDIF Out header 15. 1 x IEEE 1394a header 16. 2 x USB 2.0/1.1 headers 17. 1 x serial port header 18. 1 x clearing CMOS jumper
Back Panel Connectors	1. 1 x PS/2 keyboard port 2. 1 x PS/2 mouse port 3. 1 x optical S/PDIF Out connector 4. 1 x coaxial S/PDIF out connector 5. 6 x USB 2.0/1.1 ports

	6. 2 x USB 3.0/2.0 ports 7. 2 x IEEE 1394a port 8. 2 x eSATA 3Gb/s ports 9. 1 x RJ-45 port 10. 6 x audio jacks (Center/Subwoofer Speaker Out/Rear Speaker Out/Side Speaker Out/Line In/Line Out/Microphone)
I/O Controller	1. ITE IT8720 chip
H/W Monitoring	1. System voltage detection 2. CPU/System temperature detection 3. CPU/System/Power fan speed detection 4. CPU overheating warning 5. CPU/System/Power fan fail warning 6. CPU/System fan speed control (Note 4)
BIOS	1. 2 x 8 Mbit flash 2. Use of licensed AWARD BIOS 3. Support for DualBIOS™ 4. PnP 1.0a, DMI 2.0, SM BIOS 2.4, ACPI 1.0b
Unique Features	1. Support for @BIOS 2. Support for Q-Flash 3. Support for Virtual Dual BIOS 4. Support for Download Center 5. Support for Xpress Install 6. Support for Xpress Recovery2 7. Support for EasyTune (Note 7) 8. Support for Easy Energy Saver 9. Support for Time Repair 10. Support for Q-Share
Bundle Software	1. Norton Internet Security (OEM version)
Operating System	1. Support for Microsoft Windows 7/ Vista/ XP
Form Factor	1. ATX Form Factor; 30.5cm x 24.4cm
Note	(Note 1) Due to Windows 32-bit operating system limitation, when more than 4 GB of physical memory is installed, the actual memory size displayed will be less than 4 GB. (Note 2) To reach DDR3 1866 MHz or above, you must install two memory modules and install them in the DDR3_3 and DDR3_4 memory sockets. (Note 3) For optimum performance, if only one PCI Express graphics card is to be installed, be sure to install it in the PCIEX16 slot. The PCIEX8 slot shares bandwidth with the PCIEX16 slot. When PCIEX8 is populated with a PCI Express graphics card, the PCIEX16 slot will operate at up to x8 mode. (Note 4) Whether the CPU/system fan speed control function is supported will depend on the CPU/system cooler you install. (Note 5) Available functions in EasyTune may differ by motherboard model.
Remark	1. Due to different Linux support condition provided by chipset vendors, please download Linux driver from chipset vendors' website or 3rd party website. 2. Due to most hardware/software vendors no longer offer support for Win9X/ME. If some vendors still has Win9X/ME drivers available, we will publish on website.

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* Due to standard PC architecture, a certain amount of memory is reserved for system usage and therefore the actual memory size is less than the stated amount.

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