



PDF instructions

You can read the recommendations in the user guide, the technical guide or the installation guide for ECS GS7610 ULTRA V.1.1C. You'll find the answers to all your questions on the ECS GS7610 ULTRA V.1.1C in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ECS GS7610 ULTRA V.1.1C
User guide ECS GS7610 ULTRA V.1.1C
Operating instructions ECS GS7610 ULTRA V.1.1C
Instructions for use ECS GS7610 ULTRA V.1.1C
Instruction manual ECS GS7610 ULTRA V.1.1C

Motherboard User's Guide

This publication, including photographs, illustrations and software, is under the protection of international copyright laws, with all rights reserved. Neither this manual, nor any of the material contained herein, may be reproduced without the express written consent of the manufacturer.

The information in this document is subject to change without notice. The manufacturer makes no representations or warranties with respect to the contents hereof and specifically disclaims any implied warranties of merchantability or fitness for any particular purpose. Further, the manufacturer reserves the right to revise this publication and to make changes from time to time in the content hereof without obligation of the manufacturer to notify any person of such revision or changes.

Trademarks

IBM, VGA, and PS/2 are registered trademarks of International Business Machines.
AMD, Athlon 64 Sempron are registered trademarks of Advanced Micro Devices Inc.
Microsoft, MS-DOS and Windows SR5E/ME/NT/2000/XP are registered trademarks of Microsoft Corporation.
AMI is a registered trademark of American Megatrends Inc.
Other names used in this publication may be trademarks and are acknowledged.

Static Electricity Precautions

1. Don't take this motherboard and components out of their original static-protect package until you are ready to install them.
2. While installing, please wear a grounded wrist strap if possible. If you don't have a wrist strap, discharge static electricity by touching the bare metal of the system chassis.
3. Carefully hold this motherboard by its edges. Do not touch those components unless it is absolutely necessary. Put this motherboard on the top of static-protection package with component side facing up while installing.

Pre-Installation Inspection

1. Inspect this motherboard whether there are any damages to components and connectors on the board.
2. If you suspect this motherboard has been damaged, do not connect power to the system. Contact your motherboard vendor about these damages.



[Your user manual](#)
[ECS GS7610 ULTRA V.1.1C](#)

Manual abstract:

0 and is compliant with UHCI 1.1 and EHCI 0.95. It supports AC'97 Audio Codec and provides Ultra DMA 133/100/66 function. It has one PCI Express x16, one CNR and two 32-bit PCI slots. There is a full set of I/O ports including two PS/2 ports for mouse and keyboard, one serial port, one parallel port, one LAN port (optional), one VGA port, three audio jacks for Line-in, Line-out and Microphone, four back-panel USB2.0 ports and onboard USB headers providing extra ports by connecting the Extended USB Module to the motherboard. This motherboard is a Micro ATX size motherboard and has power connectors for an ATX power supply. Key Features The key features of this motherboard include: AMD Sempron™/Athlon™ Processors Support · Supports AMD Sempron™/Athlon™ processors · Supports Front-Side Bus 800 MHz Note: HyperTransport Technology is a point-to-point link between two devices, it enables integrated circuits to exchange information at much higher speeds than currently available interconnect technologies. Chipset There are SiS761GX Northbridge and SiS965L Southbridge in this chipset in accordance with an innovative and scalable architecture with proven reliability and performance. · High Performance Host Interface: -HyperTransport compliant bus driver with auto compensation capability · Integrated Host-to-PCI Express Bridge: -1 Gb/s performance in 133 MHz x 4 mode -Distributed arbitration strategy with enhanced mode of contiguous DMA data streaming · High Performance & High Quality 3D Graphics Accelerator: -Built-in 32-bit floating point format VLIW triangle setup engine -Built-in 2 pixel rendering pipelines and 4 texture units 1 Motherboard User's Guide Complete TV-OUT/Digital Flat Panel Solution: -Built-in dual display controllers to support independent dual displays · PCI 2.3 Specification Compliance · Integrated Multithreaded I/O Link Mastering · Multithread I/O Link Mastering with Read/Write Concurrent and Read/Read Pipeline Transaction Memory Support · Two 184-pin DIMM sockets for DDR SDRAM memory modules · Supports DDR 333/266 memory bus · Maximum installed memory is 2 GB · Expansion Slots · One PCI Express x16 slot · Two 32-bit PCI slots for PCI 2.3-compliant bus interface · One CNR slot Onboard IDE channels · Two IDE Connectors · Supports PIO (Programmable Input/Output) and DMA (Direct Memory Access) modes · Supports IDE Ultra DMA bus mastering with transfer rates of 133/100/66 MB/sec Serial ATA · Two Serial ATA Connectors · Transfer rate exceeding best ATA (~150 MB/s) with scalability to higher rates · Low pin count for both host and devices AC'97 Codec · AC '97 2.3 COMPATIBLE · FEATURES6 DAC Channels for 5.1 Surround · 90 dB Dynamic Range · 20-Bit PCM DACs · S/PDIF Output Integrated Stereo Headphone Amplifiers · Phone, Aux, and Line-In · High Quality CD Input · Selectable MIC Input · Mono Output · External Amplifier Power-Down Control Onboard I/O Ports · Two PS/2 ports for mouse and keyboard · One serial port · One parallel port 2 Chapter 1: Introduction . . . · One VGA port Four back-panel USB2.0 ports One LAN port (optional) Audio jacks for microphone, line-in and line-out Fast Ethernet LAN (optional) · Supports 10/100 Mbps operation and half/full duplex operation · IEEE 802.3/802.3u compliant · Supports IEEE 802.3u clause 28 auto negotiation · Supports operation under Link Down Power Saving mode · Supports Base Line Winder (BLW) compensation · Adaptive Equalization USB 2.0 · Compliant with Universal Serial Bus Specification Revision 2.0 · Compliant with Intel's Enhanced Host Controller Interface Specification Revision 1.0 · Compliant with Universal Host Controller Interface Specification Revision 1.1 · PCI multi-function device consists of two UHCI Host Controller cores for full-/low-speed signaling and one EHCI Host Controller core for high-speed signaling · Root hub consists 4 downstream facing ports with integrated physical layer transceivers shared by UHCI and EHCI Host Controller, up to eight functional ports · Support PCI-Bus Power Management Interface Specification release 1..



[Your user manual](#)
[ECS GS7610 ULTRA V.1.1C](#)