DFI-ACP

ORavision Control OLong Lifa Cycla



G4S300-B

Intel® 865G microATX System Board

PROCESSOR

- Intel® Pentium® 4 Processor with Hyper-Threading Technol-
- 800MHz/533MHz system data bus Intel® Pentium® 4 Northwood processor 533MHz/400MHz system data bus Intel® Celeron® Northwood processor
- - 400MHz system data bus Socket 478

CHIPSET

- Intel® 865G chipset
 Intel® 865G Graphics Memory Controller Hub (GMCH)
 Intel® 82801EB I/O Controller Hub (ICH5)

SYSTEM MEMORY

- Two 184-pin DDR DIMM sockets
- Supports dual channel (128-bit wide) memory interface
- Supports up to 2GB systèm memory
- Synchronous operation with processor system bus
 PC2700/PC3200 (DDR333/DDR400) with 800MHz FSB CPU. DDR333 will run at 320MHz memory frequency when used with 800MHz FSB CPU. PC2100/PC2700 (DDR266/DDR333) with 533MHz FSB
 - CPU
- PC2100 (DDR266) with 400MHz FSB CPU Supports non-ECC (x64) DIMM using 128Mb, 256Mb or
- Supports unbuffered DIMMs

- Award BIOS, Windows® 98SE/2000/ME/XP Plug and Play compatible
- Supports SCSI sequential boot-up Flash EPROM for easy BIOS upgrades Supports DMI 2.0 function
- 2Mbit flash memory

ENERGY EFFICIENT DESIGN

- Supports ACPI specification and OS Directed Power Management

- Supports ACPI STR (Suspend to RAM) function
 Wake-On-Events include:

 Wake-On-Keyboard/Mouse

 Wake-On-USB Keyboard

 Wake-On-Ring (external modem) and Wake-On-LAN
 PTC timer to power on the system

- Wake-On-Ring (external modern) and wake-on-Ring (external modern) and wake-on-System power management supported CPU stopped clock control Microsoft*/Intel* APM 1.2 compliant Soft Power supported ACPI v1.0a specification AC power failure recovery

ONBOARD GRAPHICS FEATURES

- Graphics memory
 - Shares 1MB/4MB/8MB/16MB/32MB of the system
- memory in DOS mode
 Uses Dynamic Video Memory Technology (DVMT) in Windows mode
- Graphics controller
 - Core frequency of 266MHz
 - 350MHz integrated 24-bit RAMDAC

 - Analog display up to 2048x1536 @ 60Hz refresh 3D setup and render engine Discrete, Triangles, Strips and fans
 - Per pixel perspective corrected texture mapping Software DVD at 30fps, full screen
- 2D graphics features
 - Ŏptimized 256-bit BLT engine
 - 32-bit alpha blended cursor
- Programmable 3-color transparent cursor
- 3D graphics features
 - 200 megapixels/sec fill rate
 - Maximum 3D resolution: 1600x1200x32 @ 85Hz
 - Flat and Gouraud shading
 - 16- and 24-bit Z-buffering and 16- and 24-bit W-buffering
 - Vertex and programmable pixel fogging and atmospheric effects
 - Double and triple render buffer

ONBOARD AUDIO FEATURES

- 18-bit stereo full-duplex codec with independent variable sampling rate
- S/PDIF-out interface
- 2-channel audio output

ONBOARD LAN FEATURES

- Uses Realtek RTL8101L fast ethernet controller Integrated IEEE 802.3, 10BASE-T and 100BASE-TX compatible PHY
- 32-bit PCI master interface
- Integrated power management functions Full duplex support at both 10 and 100 Mbps Supports IEEE 802.3u auto-negotiation
- Supports wire for management

PCI IDE INTERFACE

- Supports ATA/33, ATA/66 and ATA/100 hard drives PIO Mode 4 Enhanced IDE (data transfer rate up to 14MB/sec.)

SATA IDE INTERFACE

Supports two SATA (Serial ATA) interfaces which are compliant with SATA 1.0 specification (1.5Gbps interface)

- ACCELERATED GRAPHICS PORT (A.G.P.)
 Supports AGP 3.0 and AGP 2.0 spec.
 AGP 8x data rate provides a theoretical maximum bandwidth of 2.13GB/sec.
 Supports 1.5V AGP 4x with up to 1066MB/sec. bandwidth for 3D graphics applications (3.3V AGP card is not supported) supported)

REAR PANEL I/O PORTS

- 4 USB 2.0/1.1 ports 1 RJ45 LAN port 1 DB-9 serial port 1 DB-15 VGA port

- DB-25 parallel port mini-DIN-6 PS/2 mouse port mini-DIN-6 PS/2 keyboard port
- 3 audio jacks: line-out, line-in and mic-in

I/O CONNECTORS

- 2 connectors for 4 additional external USB 2.0/1.1 ports 1 connector for 1 external serial port 1 connector for 1 external game/MIDI port 1 connector for external line-out and mic-in jacks

- CD-in internal audio connector
- S/PDIF-out connector
- connector for IrDA interface
- Serial ATA connectors

- 2 IDE connectors
 1 floppy connector
 2 ATX power supply connectors
 1 Wake-On-LAN connector
 3 connectors for CPU fan, chassis fan and second fan

EXPANSION SLOTS

- 1 AGP slot that supports 1.5V AGP 4x/8x card 3 PCI slots

COMPATIBILITY

- PCI 2.2 and AC '97 compliant
 Intel AGP version 3.0

- 4 layers, microATX form factor
- 24.5cm (9.64") x 20cm (7.87")

REAR PANEL I/O PORTS



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