G5G100-P-G

Intel® 915GM chipset
Socket mPGA479M-based Intel® Mini-ITX board

PROCESSOR (Socket mPGA479M-based Intel®)
- Intel® Pentium® M Processor
  - 533MHz/400MHz system data bus
- Intel® Celeron® M Processor
  - 400MHz system data bus

CHIPSET
- Intel® 915GM chipset
  - Intel® 915GM Graphics Memory Controller Hub (GMCH)
  - Intel® 82801FBM I/O Controller Hub (ICH6M)

SYSTEM MEMORY
- Two 184-pin DDR SDRAM DIMM sockets
- Supports single channel (64-pit wide) memory interface
- PC2700 (DDR333) DDR SDRAM DIMM
- Supports maximum of 2GB system memory using 256Mbit, 512Mbit, or 1Gbit Technology for x8 and x16 devices, non ECC memory

BIOS
- Award BIOS
- 4Mbit 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-PS/2 Keyboard/Mouse
  - Wake-On-USB Keyboard
  - Wake-On-LAN
  - Wake-On-Ring
  - RTC timer to power-on the system
- System power management supported
- CPU stopped clock control
- Microsoft®/Intel® APM 1.2 compliant
- Soft Power supported - ACPI v1.0b specification
- AC power failure recovery

DAMAGE FREE INTELLIGENCE
- Monitors CPU/system temperature and overheat alarm
- Monitors CPU(V)/1.5V/3.3V/5V/12V/-12V/VBAT(V)/5VSB(V) voltages and failure alarm
- Monitors CPU/chassis/2nd fan speed and failure alarm
- Read back capability that displays temperature, voltage, and fan speed
- Watchdog timer function

ONBOARD GRAPHICS FEATURES
- Integrated display interface
  - Analog CRT DAC interface support
    - Supports max DAC frequency up to 400MHz
    - 24-bit RAMDAC support
    - Up to 2048x1536 mode support
  - Digital LVDS interface support
    - Integrated dual channel LVDS interface support
    - Supports 25 to 112MHz single/dual channel LVDS interface
    - Single channel LVDS interface support: 1 x 18 bpp
    - Dual channel LVDS interface support: 2 x 18 bpp
- Internal graphics features
  - DVMT 3.0 support
    - 1MB or 8MB of pre-allocated memory supported
  - Intel® Dual-Frequency Graphics Technology
  -- Intel® Smart 2D Display Technology
  - Dual Independent display pipes
  -- 32-bit hardware cursor supported
  -- 2D graphics engine
    - Optimized 256-bit BLT engine
    - 32-bit Alpha blended cursor
  -- High quality 3D setup and render engine
    - Triangle lists, strips, and fans
    - Supports D3D and OGL pixelization rules
    - Shadow maps
    - Zone rendering 2.0 support

-- High quality texture engine
  - 533MegaTexel/sec performance
  - 266 Mpixel/sec fill rate up to 2 bilinear textures
  - Per-pixel perspective corrected texture mapping
-- 3D graphics rendering enhancement
  - 16- and 24-bit Z buffering
  - Maximum 3D resolution supported: 1600 x 1200 x 32

ONBOARD AUDIO FEATURES
- Realtek ALC655
- 16-bit stereo full-duplex codec with independent variable sampling rate
- High quality differential CD input
- True stereo line level outputs
- S/PDIF-in/out interface
- 5.1-channel audio output

ONBOARD LAN FEATURES
- RTL8110SC Gigabit Ethernet controller
- Supports 10Mbps, 100Mbps, and 1Gps data transmission
- IEEE 802.3 (10/100Mbps) and IEEE 802.3ab (1Gbps) compliant

SERIAL ATA INTERFACE
- Supports two Serial ATA interfaces; compliant with SATA 1.0 specification (1.5Gbps interface)

IDE INTERFACE
- Supports up to UltraDMA 100Mbps hard drives
- PIO Mode 4 Enhanced IDE (data transfer rate up to 14MB/sec)

REAR PANEL I/O PORTS
- 4 USB 2.0/1.1 ports
- 1 RJ45 LAN port
- 3 DB-9 serial ports
- 1 DB-15 VGA port
- 1 mini-DIN-6 PS/2 mouse port
- 1 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 LCD brightness control
- 1 connector for LVDS LCD panel
- 1 connector for LCD AUX power
- 1 connector for LCD/inverter power
- 1 DIO connector
- 1 front audio connector for line-out and mic-in jacks
- 1 CD-in internal audio connector
- 1 S/PDIF-in/out connector
- 1 connector for IrDA interface
- 2 Serial ATA connectors
- 1 40-pin IDE 1 connector
- 1 floppy connector (FPC connector type)
- 1 20-pin ATX power connector
- 1 chassis open connector
- 1 front panel connector
- 3 fan connectors

CABLES
- 1 IDE cable
- 1 SATA cable
- 1 SATA power cable

EXPANSION SLOTS
- 1 PCI slot for PCI expansion card or Riser Card for 1, 2, or 3 PCI slots (for low profile PCI card only)

COMPATIBILITY
- PCI 2.2 and AC '97 compliant

CIRCUIT BOARD (PCB)
- 6 layers, Mini-ITX form factor
- 17 cm (6.7") x 17 cm (6.7")

SAFETY
- UL, cUL, FCC Class B, CE