DFI-ACP
○ Revision Control   ○ Long Life Cycle

RoHS

SR100-N
Intel® GM965/GME965 Mini-ITX Board

PROCESSOR
- Intel® Core™2 Duo mobile processor
  - 800/533MHz system data bus
- Intel® Celeron® M series processor
- Processor socket: mPGA478P

CHIPSET
- Intel® chipset
  - Intel® GM965/GME965 Express chipset
  - Intel® 82801HBM I/O Controller Hub (ICH8M)

SYSTEM MEMORY
- Two 200-pin SODIMM sockets
- Supports 533MHz and 667MHz DDR2 SDRAM
- Supports maximum of 4GB system memory

BIOS
- Award BIOS
- 8Mbit flash memory

ENERGY EFFICIENT DESIGN
- Supports ACPI specification 2.0/1.0
- Supports ACPI STR (Suspend to RAM) function
- Wake-On-Events include:
  - Wake-On-PS/2 Keyboard/Mouse
  - Wake up by PCI card
  - PCI Express PME
  - USB KB/MS wake up from S3
  - Wake-On-Ring
  - RTC timer to power-on the system
- Enhanced Intel® SpeedStep Technology
- Intel® Rapid Memory power management
- Dynamic FSB frequency switching
- AC power failure recovery

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

ONBOARD GRAPHICS FEATURES
- Internal graphics feature
  - Mobile Intel® Graphics Media Accelerator X3100
  - Dynamic Video Memory Technology 4.0
  - Microsoft DirectX 9x
  - OpenGL 1.5
- Integrated graphics interface
  - Analog CRT
    - Integrated 300MHz RAMDAC
    - Analog monitor supports up to QXGA (2048x1536@60Hz)
  - LVDS
    - 25MHz-112MHz single/dual channel, TFT panel type support
    - Single/dual channel LVDS interface: 2x24 bpp panel supports up to WUXGA (1920x1200@65Hz) or UXGA (1600x1200@75Hz)
  - DVI (supports DVI-D signal only)
    - DVI 1.0 support for external digital monitor

ONBOARD AUDIO FEATURES
- Realtek ALC262 2-channel High Definition Audio
- Two 24-bit stereo DACs and three 20-bit stereo ADCs
- S/PDIF input/output interface

ONBOARD LAN FEATURES
- Two Realtek RTL8111B PCI Express Gigabit controllers
- Supports 10Mbps, 100Mbps and 1Gbps data transmission
- IEEE 802.3 (10/100Mbps) and IEEE 802.3ab (1Gbps) compliant

SERIAL ATA INTERFACE
- Three Serial ATA ports, compliant with SATA 1.0a specification
- Data transfer rate up to 3Gb/s
- Supports Advanced Host Controller Interface (AHCI)

IDE INTERFACE
- Supports up to two IDE devices
- Supports Ultra ATA 100/66/33

REAR PANEL I/O PORTS
- 1 mini-DIN-6 PS/2 mouse port
- 1 mini-DIN-6 PS/2 keyboard port
- 2 DB-9 serial ports (RS232/Power)
- 1 DB-15 VGA port
- 1 DVI-I port (DVI-D signal only)
- 2 RJ45 LAN ports
- 4 USB 2.0/1.1 ports
- Mic-in, line-in and line out jacks

I/O CONNECTORS
- 2 connectors for 4 additional external USB 2.0/1.1 ports
- 1 LCD brightness control connector
- 1 LVDS LCD panel connector
- 1 LCD/inverter power connector
- 1 LCD AUX power connector
- 1 DIO connector
- 1 front audio connector for line-out and mic-in jacks
- 1 CD-in internal audio connector
- 1 S/PDIF connector
- 3 Serial ATA connectors
- 1 40-pin IDE connector
- 1 20-pin ATX power connector
- 1 front panel connector
- 1 chassis intrusion connector
- 2 fan connectors

EXPANSION SLOTS
- 1 PCI slot for PCI expansion card or customized riser card for 1, 2 or 3 PCI slots expansion

TEMPERATURE
- 0ºC to 60ºC

HUMIDITY
- 10% to 90%

PCB
- 8-layers, Mini-ITX form factor
- 170mm (6.7") x 170mm (6.7")

REAR PANEL I/O PORTS

PS/2 Mouse   COM 2   VGA   LAN 1   LAN 2   Mic-in   Line-in   Line-out

PS/2 K/B   COM 1   DVI-I (DVI-D signal only)   USB 0-1   USB 2-3