

SR960-N

Intel® GME965 EPIC Board

PROCESSOR

- Intel® Core™2 Duo mobile processor
 - 800MHz and 533MHz system data bus
- Processor socket: mPGA478P

CHIPSET

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

SYSTEM MEMORY

- One 200-pin SODIMM socket
- Supports 533MHz and 667MHz DDR2 SDRAM
- Supports maximum of 2GB system memory using 256Mbit, 512Mbit, 1Gbit or 2Gbit memory technology for x8 and x16 devices

BIOS

- AMI BIOS
- 4Mbit SPI 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/Mouse (real panel USB only)
 - 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 v2.0 specification
- AC power failure recovery

DAMAGE FREE INTELLIGENCE

- Monitors CPU/system temperature and overheat alarm
- Monitors CPU(V)/1.5V/3.3V/5V/12V/VBAT(V)/1.8V 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

- Integrated graphics interface
 - Analog CRT
 - Integrated 300MHz RAMDAC
 - Analog monitor supports up to QXGA (2048x1536@60Hz)
 - Supports CRT hot plug
 - LVDS interface
 - 4:3 aspect ratio panel supports up to UXGA (1600x1200@75Hz)
 - Widescreen panel supports up to WUXGA (1920x1200@65Hz)
 - 25MHz-112MHz single/dual channel @ 18bpp or 24bpp, TFT panel type support
- Internal graphics features
 - Mobile Intel® Graphics Media Accelerator X3100
 - DVMT 4.0
 - Intel® Smart 2D Display Technology
 - Estimated 500MHz core render clock at 1.05V core voltage
 - High performance MPEG-2 decoding
 - WMV9C (VC-1) and H.264 (AVC) support
 - Microsoft DirectX 9 and DirectX 10 support

ONBOARD AUDIO FEATURES

- Realtek ALC262 High Definition audio CODEC
- 2-channel audio output
- 1 stereo DAC supports 16/20/24-bit PCM format with 44.1/48/96/192KHz sample rate
- 2 stereo ADCs support 16/20-bit PCM format with 44.1/48/96/192KHz sample rate

ONBOARD LAN FEATURES

- Two Marvell 88E8056 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

- One Serial ATA II interface
- Data transfer rate up to 3Gb/s
- Intel Matrix Storage Technology
- Integrated AHCI controller

IDE INTERFACE

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

REAR PANEL I/O PORTS

- 1 mini-DIN-6 port for PS/2 KB and PS/2 Mouse ports
- 1 DB-9 serial port
- 1 DB-15 VGA port
- 2 RJ45 LAN ports
- 2 USB 2.0/1.1 ports

I/O CONNECTORS

- 1 CompactFlash socket
- 2 connectors for 4 additional external USB 2.0/1.1 ports
- 3 connectors for 3 external RS-232 serial ports (two of the ports are RS-232/RS-422/RS-485 selectable)
- 1 LCD brightness control connector
- 1 LVDS LCD panel connector
- 1 LCD/inverter power connector
- 1 LCD AUX power connector
- 1 DIO connector
- 1 DIO power connector
- 1 front audio connector for line-out and mic-in jacks
- 1 connector for IrDA interface
- 1 Serial ATA connector
- 1 44-pin IDE connector
- 1 floppy connector
- 1 10-pin ATX power connector
- 1 front panel connector
- 2 fan connectors

EXPANSION SLOTS

- 1 PCI-104 slot for 4 PCI devices

TEMPERATURE

- 0°C to 60°C

HUMIDITY

- 10% to 90%

PCB

- 10 layers, EPIC form factor
- 11.5cm (4.528") x 16.5cm (6.496")

SAFETY

- UL, cUL, FCC Class B, CE

REAR PANEL I/O PORTS

