

## SR960-N Intel® GME965 EPIC Board

### PROCESSOR

- Intel® Core™2 Duo mobile processor
  - 800/533MHz system data bus
- Intel® Celeron® M 550 processor
- Processor socket: mPGA478P

### CHIPSET

- Intel® chipset
  - Intel® GME965 Express chipset
  - Intel® ICH8M I/O Controller Hub

### SYSTEM MEMORY

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

### BIOS

- Award BIOS
- 8Mbit SPI BIOS

### ENERGY EFFICIENT DESIGN

- ACPI v2.0 specification
- System Power Management
- Wake-On-Events include:
  - Wake-On-PS/2 Keyboard/Mouse
  - Wake-On-LAN
  - Wake-On-Ring
  - RTC timer to power-on the system
- CPU stopped clock control
- Microsoft®/Intel® APM 1.2 compliant
- 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
- 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 Ethernet controllers
- Supports 10Mbps, 100Mbps and 1Gbps data transmission
- IEEE 802.3 (10/100Mbps) and IEEE 802.3ab (1Gbps) compliant

### SERIAL ATA INTERFACE

- 1 Serial ATA port compliant with SATA 1.0a specification
- SATA speed up to 3Gb/s (SATA 2.0)
- Intel Matrix Storage Technology
- Integrated AHCI controller

### IDE INTERFACE

- Supports up to two Ultra ATA 100/66/33 IDE devices
- Note:** We do not recommend using IDE devices and CF card at the same time.

### REAR PANEL I/O PORTS

- 1 mini-DIN-6 port for PS/2 KB and PS/2 Mouse ports
- 1 DB-9 RS232 serial port
- 1 DB-15 VGA port
- 2 RJ45 LAN ports
- 2 USB 2.0/1.1 ports

### I/O CONNECTORS

- 2 connectors for 4 external USB 2.0/1.1 ports
- 3 connectors for 3 external RS-232 serial ports (two of the ports are RS232/422/485 selectable)
- 1 LCD brightness control connector
- 1 LVDS LCD panel connector
- 1 LCD/inverter power connector
- 1 Digital I/O connector
- 1 Digital I/O power connector
- 1 front audio connector for line-out and mic-in jacks
- 1 IrDA connector
- 1 Serial ATA connector
- 1 44-pin IDE connector
- 1 floppy connector
- 1 10-pin ATX power connector (1 10-to-20 ATX power cable)
- 1 front panel connector
- 2 fan connectors

### EXPANSION SLOTS

- 1 PCI-104 slot for 4 PCI devices
- 1 CompactFlash socket

### TEMPERATURE

- 0°C to 60°C

### HUMIDITY

- 10% to 90%

### PCB

- EPIC form factor
- 115mm (4.528") x 165mm (6.496")

### REAR PANEL I/O PORTS

