DFI-ACP

○ Revision Control ○ Long Life Cycle

RoHS

CT132-B rev. AM0

Intel® 945GME Mini-ITX Board

PROCESSOR
- Intel® Core™ Duo/Solo mobile processor
  Intel® Core™ 2 Duo mobile processor
  Intel Core™ processor-based Celeron® M 65nm mobile processor
  - 667MHz/533MHz Front Side Bus
- Processor socket: mPGA478M

CHIPSET
- Intel® chipset
  - Intel® 945GME Express chipset
  - Intel® 82801GBM I/O Controller Hub (ICH7M)

SYSTEM MEMORY
- One 240-pin DDR2 DIMM socket
- Supports 400MHz, 533MHz and 667MHz DDR2 SDRAM
- Supports maximum of 2GB system memory using 256Mbit, 512Mbit or 1Gbit technology for x8 and x16 devices

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/Mouse
  - Wake-On-LAN
  - Wake-On-Ring
  - RTC timer to power-on the system
- System power management supported
- Microsoft®/Intel® APM 1.2 compliant
- Soft Power supported - ACPI v1.0a specification
- AC power failure recovery

DAMAGE FREE INTELLIGENCE
- Monitors CPU/system temperature and overheat alarm
- Monitors CPU(V)/1.05V/1.5V/dimm(V)/12V/VBAT(V)/3.3V/V3.3sb(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
- Integrated Intel Graphics Media Accelerator 950
  - 250MHz core render clock and 200MHz core display clock
  - Up to 224 MB maximum video memory
  - 2048x1536 maximum resolution

ONBOARD AUDIO FEATURES
- Realtek ALC655 AC'97 audio CODEC
- 16-bit stereo full-duplex CODEC with 48KHz sampling rate
- High quality differential CD input
- S/PDIF interface
- 5.1-channel audio output

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

SERIAL ATA INTERFACE
- Supports two SATA (Serial ATA) interfaces which are compliant with SATA 1.0 specification
- SATA speed up to 1.5Gb/s

IDE INTERFACE
- One IDE connector 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
- 1 DB-9 serial port
- 1 DB-15 VGA port
- 1 RJ45 LAN port
- 4 USB 2.0/1.1 ports
- Mic-in, line-in and line-out

I/O CONNECTORS
- 1 connector for 2 additional external USB 2.0/1.1 ports
- 1 DIO connector
- 1 parallel connector
- 1 connector for an external serial port
- 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 connector
- 1 floppy connector
- 1 20-pin ATX power connector
- 1 chassis open connector
- 1 front panel connector
- 2 fan connectors

EXPANSION SLOTS
- 1 PCI Express x16 slot
- 1 PCI Express x1 slot
- 1 PCI slot

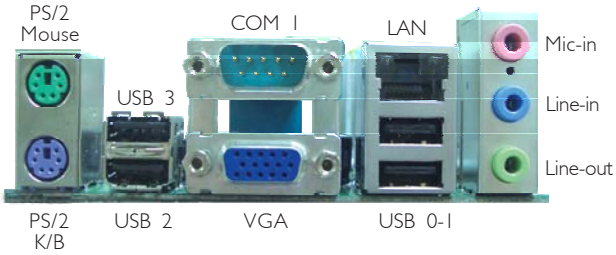
Note:
PCI Express x1 and PCI share the same slot.

TEMPERATURE
- 0°C to 60°C

HUMIDITY
- 10% to 90%

PCB
- 8 layers, Mini-ITX form factor
- 17cm (6.7") x 17cm (6.7")

REAR PANEL I/O PORTS



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