

## MI945A Series

### Application

**KIOSK, Information desk / Digital signage / Gaming / Home entertainment**

### Features



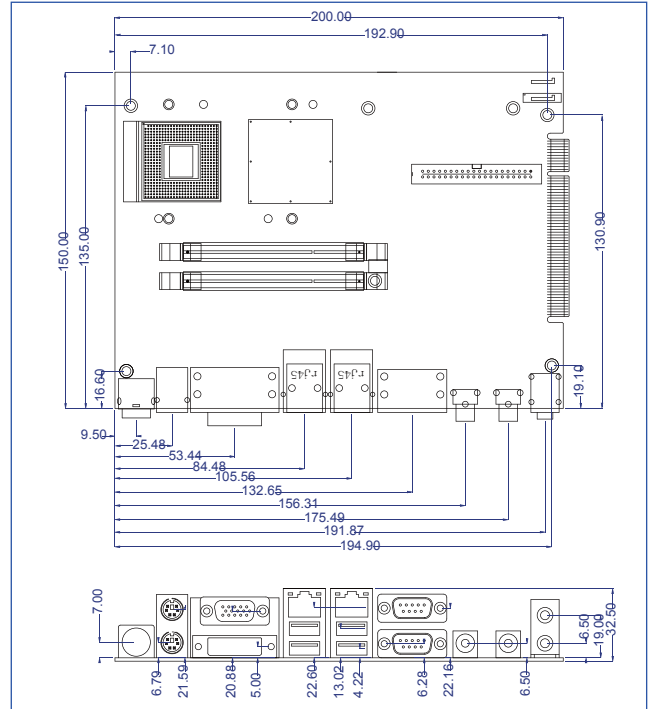
### Specifications

MODEL	MI945A Series
CPU Type	Intel Core 2 Duo / Core Duo CPU socket M
Front Side Bus	533 / 667 MHz
MB Chipset	Intel 945 GME+ ICH7M ( 82801 GBM )
BIOS	Award BIOS
Graphics	Intel Gen 3.5 Integrated Graphics Engine Dynamic Video Memory Technology ( DVMT 3.0 ) Higher performance MPEG-2 decoding
LVDS	LVDS1: 18 / 36 bits / LVDS2: 24 / 48 bits ( option )
System Memory	2 x DDR2 SO-DIMM socket ( max. 3GB )
IDE	Ultra ATA 100 / 66 / 33, 1 x 40 pin 2.54mm CF Card Type 2 socket for ATA interface
SATA	2 x SATA ports
Audio	Intel HD Audio Specification Rev. 1.0 Compliant Support Line-out / Mic-in / Line-in
LAN	2 x Realtek RLT8111C 10 / 100 / 1000 Mbps or Realtek RLT8102E 10 / 100 Mbps. Support PCIe
IO Function	2 x RS232 IrDA 1.0 / ASKIR protocol PS/2 keyboard & mouse
USB	8 x USB 2.0 ( 4 external + 4 internal )
DVI	Support DVI-D. Transmitter up to 165M pixels/sec.
Video-in	1 Conexant CX23885 chip for 1 port Video-in
Audio Amplifier (option)	Two channels Audio Amplifier 6W/CH Class-D operation into an 8-Ω Load from a 12-V Supply
TV-out	Support all NTSC & PAL formats, S-Video out. HDTV supports 480p / 720p / 1080i / 1080p
Touch Screen (option)	USB interface Touch screen controller Support 4-, 5-, 8- wire Analog Resistive Touch screen USB 1.1 full speed sample rate maximum of 300 point / sec. Resolution: 2048 x 2048
DIO & WDT	Hardware digital Input & Output, 8 x DI / 8 x DO Hardware Watch Dog Timer, 0~255 sec programmable
Expansion Interface	1 x Mini PCI socket 1 x PCI gold finger ( with RS007 / RS009 riser card upgrade to 2 x PCI card ) ( with RS010 / RS011 Riser Card support PCIe x 1 interface ) 1 x PCIe mini card for PCIe & USB interface
Power	On board DC +12V ± 5% convert to +3.3V / +5V / +12V for system
Dimension	200 x 150 mm
Operation Temperature	0 ~ 60 °C
Operation Humidity	5 ~ 95% @ 60 °C, non-condensing

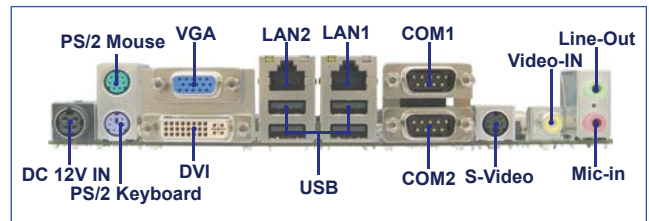
### Ordering Information

- . MI945A-2GXX 2 Realtek GbE, Intel CoreDuo / Core2Duo socket
- . MI945A-TGXX 2 Realtek GbE, Intel CoreDuo / Core2Duo socket, Touch Screen

### Dimension



### Back Panel



### Testing environment

Model name : **MI945A-2GXX**  
 CPU : Intel 440 Celeron M 1.86 Ghz / Intel T7400 Core 2 Duo 2.1 6Ghz  
 Chipset : Intel 945 GME & ICH7M  
 OS : WIN XP  
 Testing Program : 3D Mark 2001 SE

Fanless solution with CF card		Neo	Tino	Twister	15"/17" Slim Panel PC
Chassis Temperature					
0°C~45°C	Pass	Pass	Pass	Pass	Pass
50°C	—	—	Pass	Pass	Pass
55°C	—	—	Pass	—	—

Fanless solution with 2.5" HDD		Neo	Tino	Twister	15"/17" Slim Panel PC
Chassis Temperature					
0°C~45°C	Pass	Pass	Pass	Pass	Pass
50°C	—	—	Pass	Pass	Pass

Please upgrade the hard drive to industrial grade for better temperature performance.