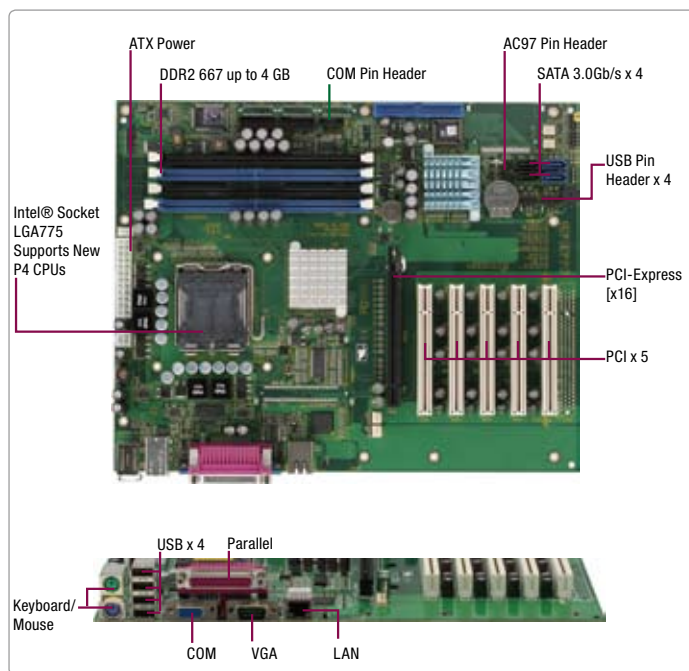


# IMBA-880

Industrial Motherboard with Intel® Core™ 2 Duo/ Pentium® 4/ Celeron® D Processor

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Embedded & Industrial Motherboards



## Features

- Intel® Core™ 2 Duo/ Pentium® 4/ Celeron® D LGA775 Processor (533/800/1066 MHz FSB)
- Intel® 945G
- DDR2 533/667 Memory (Up To 4 GB)
- 10/100Base-TX Ethernet x 1
- Integrated GMA950 2D/3D Graphics Accelerator, VGA Support
- Ultra ATA100 x 1, SATA 3.0Gb/s x 4, CompactFlash™ Type 2 x 1
- USB2.0 x 8, COM x 2, Parallel x 1, IrDA x 1
- PCI, PCI-Express [x16] Expansions



## Specifications

System	
Form Factor	ATX
Processor	Intel® Core™ 2 Duo/ Pentium® 4/ Celeron® D; LGA775 CPU, FSB: 533/800/1066 MHz
System Memory	240-pin DIMM Socket x 4, up to 4 GB DDR2 533/667 Dual-channel Support
Chipset	Intel® 945G + Intel® 82801GB (ICH7)
Ethernet	Intel® 82562EZ 10/100Base-TX, RJ-45 x 1
BIOS	Award Plug & Play BIOS – 8 Mb ROM
H/W Status Monitoring	CPU Fan Speed, temperature, Power Supply Voltage
Expansion Interface	PCI-Express [x16] x 1, PCI x 5
Watchdog Timer	1 ~ 255 steps, can be set with software on Super I/O
RTC	Internal RTC
Battery	Lithium Battery
Power Requirement	ATX Standard 24-pin connector x 1
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Board Size (L x W)	12" x 9.6" (304.8mm x 243.8mm)
Gross Weight	0.66 lb (0.3 Kg)
MTBF (Hours)	50,000
Display	
VGA Controller	Enhanced Integrated Graphics GMA950
Memory	Shared memory up to 184 MB
Resolutions	1600 x 1200 for CRT
I/O	
Storage	ATA-100 x 1 channel SATA 3.0Gb/s x 4 CompactFlash™ Type 2 x 1 (optional) Standard FDD x 1, supports up to two floppy devices
Serial Port	COM x 2: ( Internal Pin Header x1 , External D-sub x 1 ) COM 1, 2: RS-232/422/485
Parallel Port	Supports SPP/ EPP/ ECP modes
USB	USB2.0 x 8 5 x 2 pin-header for internal x 4 Type-A connector onboard x 4
PS/2 Port	Keyboard x 1; Mouse x 1
Audio (Daughter Board)	AC 97 pin-header (PER-U00A: Audio Daughter Board optional)
IrDA	IrDA Tx/Rx Header x 1

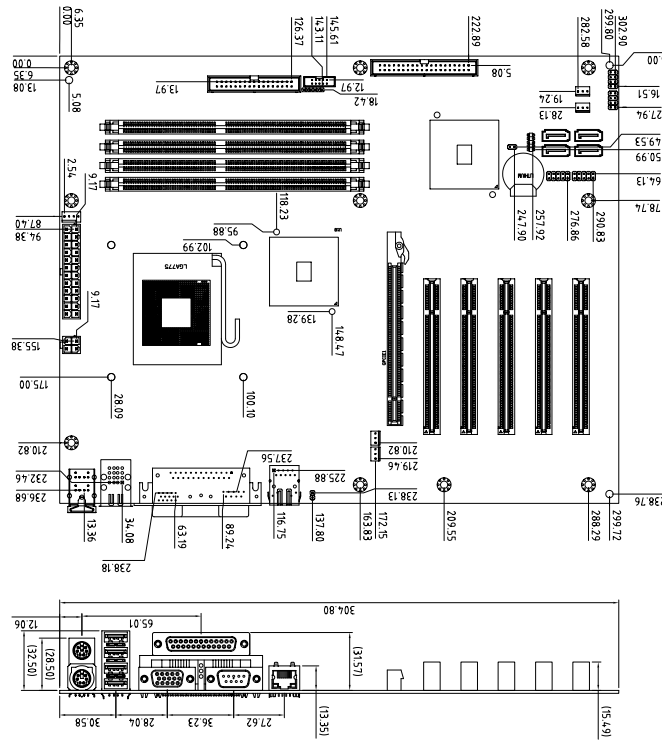
## Packing List

- 1701340704  
Floppy Cable
- 1701400453  
IDE Cable
- 1701100305  
COM Port Cable
- 1709070800  
SATA Cable
- 1759200161  
CPU Cooler Fan, for LGA775 Intel® Pentium® 4 3.6G, 4P, 12V, Dual Ball Bearing, LGA-775-91502
- Product CD
- IMBA-880

# IMBA-880

## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	RAM	Fan/Fanless	Storage	Display	LVDS	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Temp.
TF-IMBA-880-B10-VE	Socket	DIMM 4G	Fan	ATA100 x 1 SATA2 x 4 CF x 1 FDD x 2	VGA	—	FE x 1	8	0	2	PCI-E [x16] x 1 PCI x 5	ATX	0°C ~ 60°C

## Optional Accessories

- **1759200169**  
CPU Cooler Fan for LGA 775 CPU, TDP 95W, 2~4U
- **1759200335**  
CPU Cooler Fan for LGA 775, TDP 65W, 1U