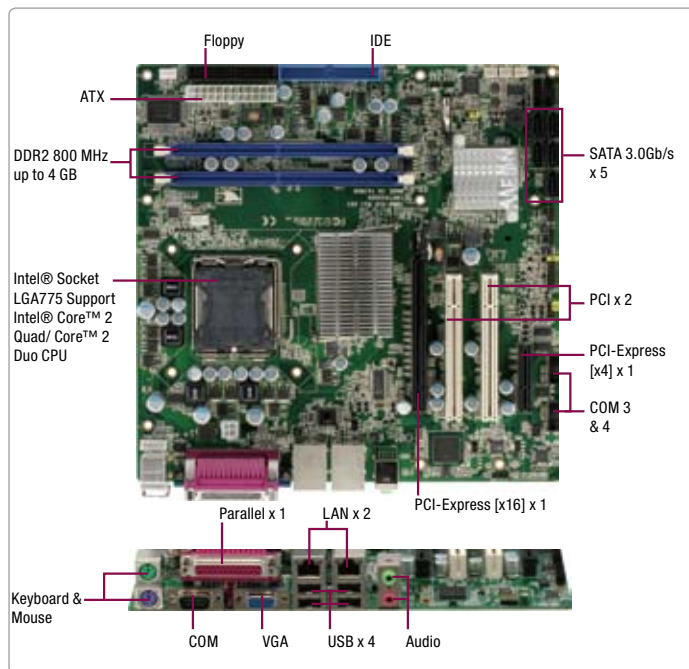


IMBM-935

Industrial Motherboard with Intel® Core™ 2 Quad/ Core™ 2 Duo Processor

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Embedded & Industrial Motherboards



Features

- Intel® Core™ 2 Quad/ Core™ 2 Duo LGA775 Processor, FSB 800/1066/1333 MHz
- Intel® Q35
- Dual-Channel DDR2 800/677 Memory (Up To 4GB) *Not Support ECC Function
- 10/100Base-TX Ethernet & Gigabit Ethernet x 2 (Optional)
- Integrated Intel® Enhanced Graphics Core, VGA Support
- SATA 3.0Gb/s x 5
- USB2.0 x 8, RS-232/422/485 x 1, RS-232 x 3, Parallel x 1, IrDA x 1
- PCI-E [x16] x 1, PCI-E [x4] x 1, PCI x 2



Specifications

System	
Form Factor	Micro-ATX Motherboard Board
Processor	Intel® Core™ 2 Quad/ Core™ 2 Duo LGA775 CPU FSB 800/1066/1333 MHz
System Memory	Dual-Channel DDR2 800/677 Memory (Up To 4GB) * Not support ECC function
Chipset	Intel® Q35 + ICH9R
Ethernet	10/100Base-TX & 10/100/1000Base-TX (optional), RJ-45 x 2 LAN1: Dual Footprint support option Intel® 82566 10/100/1000Base-TX Intel® 82562 10/100Base-TX LAN2: Intel® PCI-E controller 82573
BIOS	Award Plug & Play SPI Flash BIOS – 16 Mb ROM
H/W Status Monitoring	CPU Fan, temperature, Power Supply Voltage
Expansion Interface	PCI x 2, PCI-Express [x4] x 1, PCI-Express [x16] x 1
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)	9.6" x 9.6" (244mm x 244mm)
Gross Weight	0.66 lb (0.3 Kg)
MTBF (Hours)	50,000
Display	
VGA Controller	Enhanced Integrated Graphics 3100
Memory	Shared memory up to 256 MB
Resolutions	2048 x 1536 for CRT
I/O	
Storage	IDE x 1 with JMicron JM20330, SATA 3.0Gb/s x 5 (RAID optional) Standard FDD x 1, supports one floppy device only
Serial	COM x 4: (Internal Pin Header x 3, External D-sub x 1) COM 1,3,4: RS-232 COM 2: RS-232/422/485
Parallel	Supports SPP/EPP/ ECP modes
USB	USB2.0 x 8, 5x2 pin-header for internal x 2, TYPE-A Connector onboard x 4
PS/2 Port	Mini-DIN PS/2 K/B and Mouse x 1 Internal keyboard pin header x 1
Digital I/O	4 in and 4 out
Audio	MIC-in, Line-out
IrDA	IrDA Tx/Rx header x 1

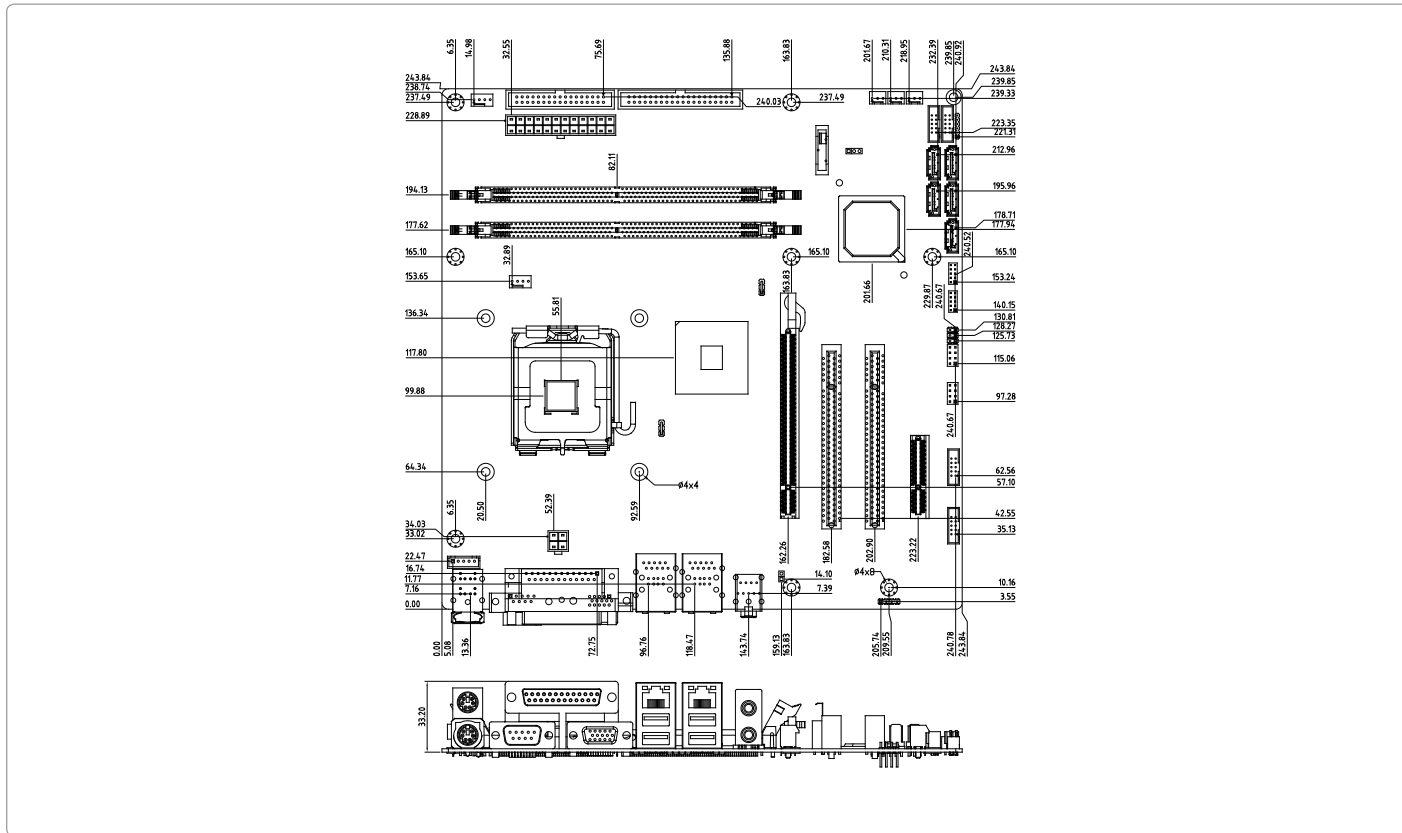
Packing List

- 1701340704
Floppy Cable
- 1701400453
ATA-100 Cable
- 1701200301
2 COM Ports Cable
- M209350000
I/O Shield
- 1701100305
1 COM Port Cable
- 1709100201
USB Cable With Bracket
- 1709070800
SATA Cable
- Product CD
- IMBM-935

IMBM-935

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-IMBM-935-A10-VE	Socket	DDR2 4G	Fan	SATA2 x 5	VGA	—	FE x 1	8	3	1	PCI-E[x16] x 1, PCI-E[x4] x 1, PCI x 2	ATX	0°C ~ 60°C
TF-IMBM-935-A10-VG	Socket	DDR2 4G	Fan	SATA2 x 5	VGA	—	GbE x 1	8	3	1	PCI-E[x16] x 1, PCI-E[x4] x 1, PCI x 2	ATX	0°C ~ 60°C
TF-IMBM-935-A10-G2	Socket	DDR2 4G	Fan	SATA2 x 5	VGA	—	GbE x 2	8	3	1	PCI-E[x16] x 1, PCI-E[x4] x 1, PCI x 2	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