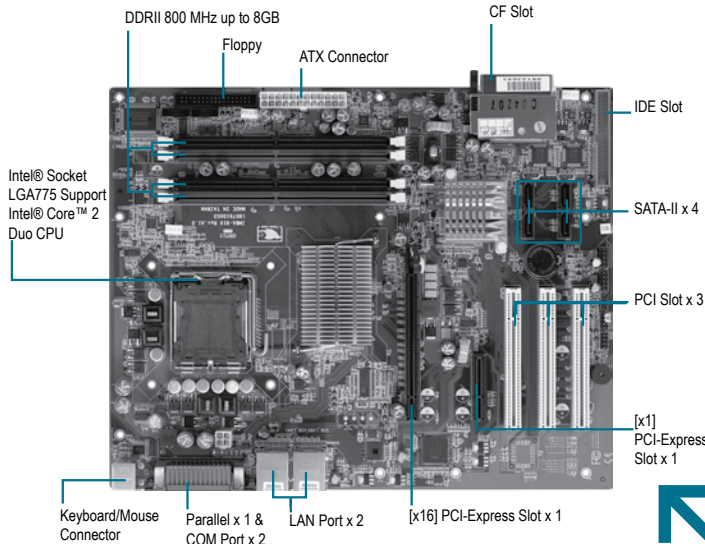


Industrial Motherboard with Intel® Core™ 2 Duo Processor up to 2.66GHz Core™ 2 Duo CPU/ PCI Express [x16] Slot/ Socket LGA775/ SATA Support



Features

- Intel® Pentium® 4 Processor 600 Sequence, Pentium® D Processor 900/ 800 Sequence and Core™ 2 Duo Processor in the LGA775
- DDR II 533/667/800 MHz Memory Support up to 8GB
- Provide an Integrated Graphics Device (IGD) Delivering 3D/2D/Video Capabilities VGA Support
- PCI-Express 10/100/1000Base-TX Ethernet (10/100 & GbE Optional) x 2
- PCI-Express [x16] Slot x 1; PCI-Express [x4] Slot x 1; and PCI Slots x 3
- USB 2.0 x 8/ RS-232 x 1/ RS-232/422/485 x 1/ Parallel x 1/ IrDA Port x 1/ SATA-II x 4 (RAID Optional)
- CompactFlash™ Type-II Storage x 1
- Watchdog Function 1~255 Sec.
- Supports Intel® AMT with Circuit Breaker (Optional)

Specifications

System	
Form Factor	ATX Motherboard
Processor	Intel® Pentium® 4 Processor 600 Sequence, Pentium® D Processor 900 / 800 Sequence and Core™ 2 Duo Conroe Family. LGA775 package, FSB: 533/800/1066MHz.
System Memory	240 Pin 1.8V DDRII DIMM Socket x 4 , total up to 8GB Support Dual Channel DDR memory (DDRII 533/667/800 MHz)
Chipset	Intel® Q965 + Intel® 82801HO (ICH8/ ICH8 DO optional)
Ethernet	10/100/1000Mb LANs optional, RJ-45 x 2 Intel® 82566DM/ 82566CM/ 82562V (PCI-E) Intel® LAN controller (PCI-E) – 82573L
BIOS	Award Plug & Play SPI BIOS – 16Mb ROM
H/W Status Monitoring	N/A
IDE Interface	SATA-II x 4 (RAID optional) / IDE slot x 1 (ATA to IDE)
SSD	CFD Type II Connector (SATA to CF) x 1
PCI Interface	PCI-E [x4] x 1 32 bit/ 33MHz PCI x 3 PCI-E [x16] x 1
Expansion Interface	PCI, PCI-Express
Watchdog Timer	1~255 step, can be set with software on Super I/O
RTC	Internal RTC
Battery	Lithium battery
Power Requirement	ATX12V
Power Consumption (Typical)	Pentium® D 3.4 Ghz +12V@9.42A, +5V@4.16A, +3.3@2.37A
Operating Temperature	0°C ~ 60°C (32°F~140°F)
Board Size	12" (L) x 9.6" (W) (304.8 mm x 243.8 mm)
Gross Weight	0.71 lb (0.3 kg)
Qualification	Formal certification CE/ FCC Class A
MTBF (Hours)	N/A
Display	
VGA Controller	Supports CRT/ LCD Simultaneous Display Integrated VGA on Intel® 965G, PCI Express [x16] slot
Memory	Shared memory 256M
Resolutions	1600x1200x32bpp at 100MHz for CRT 1600x1200x24bit for LCD
LCD Interface	Up to 24-bit TFT
I/O	
Serial Port	Winbond 83627EHF COM port x 2: (Internal Pin Header x 1, External D-sub x 1) COM 1: RS-232; COM 2: RS-232/ RS-422/ RS-485
Parallel Port	Supports SPP/ EPP/ ECP mode
Universal Serial Bus	USB 2.0 Port x 8 5 x 2-pin header for internal x 2 TYPE-A Connector onboard x 4
Floppy Drive Interface	Standard FDD port x 1, support up to two floppy devices
Keyboard and Mouse	Mini-DIN PS/2 K/B connector x 1 Mini-DIN PS/2 Mouse connector x 1
IrDa	IrDa header x 1
Audio (Daughter Board)	Audio pin header (PER-U01H audio board optional)
Digital I/O	4 in and 4 out



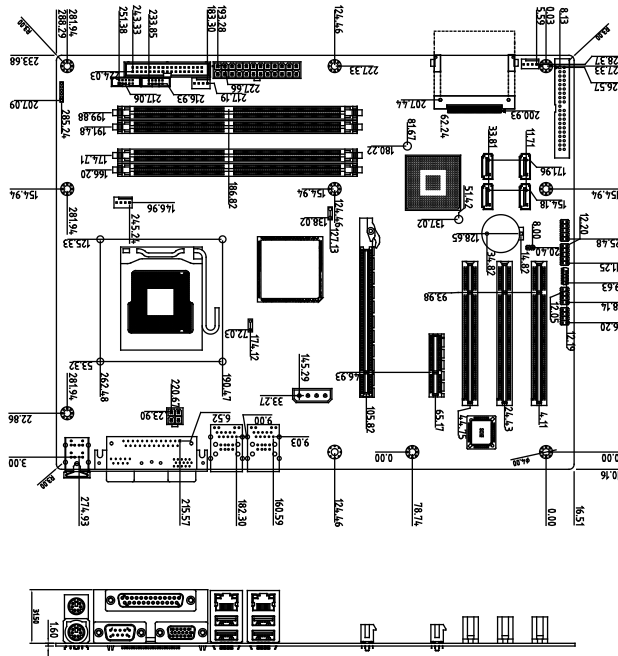
Packing List

- **1701340704**
Flat Cable, 34P, 70cm, GRAY for FDD
- **1701400453**
Cable, 40P 2.54 mm IDC W/Nose W/Fold, 40P 2.54mm IDC W/Nose W/Fold, 45cm, Blue ATA-100
- **1709100201**
USB Cable, 20 cm 2.0 mm, W/Bracket
- **1700060192**
Cable, 6P-6P-6P, 19 cm, IVORY PS2/KB & Mouse
- **1701260307**
Flat Cable, 9P/DB9P MALE & 25P, DB25P, FEMALE, 10P 2 mm & 2P 2 mm/ IDC NO FOLD, 30 cm, W/BKT
- **1701100305**
Flat Cable, 9P/DB9P MALE, 10P/2.0 mm Pitch/ IDC NO FOLD, 30 cm, W/BACKET
- **1703030501**
Wire, 3P 2.5 mm Housing, 3P 2.5 mm Housing, 50 cm
- **1759200161**
CPU Cooler Fan, for LGA775 Pentium® 4 3.6G, 4P, 12V, Dual Ball Bearing
- **1709070780**
SATA CABLE, 7P Pitch 1.27 mm, 80 cm, W/Lock
- **IMBA-910**
- **Quick Installation Guide**
- **Utility CD-ROM**

Ordering Information

- **TF-IMBA-910-A10-RF**
Industrial ATX Motherboard, LGA775, Conroe / Pentium® 4, VGA, 2 x 1GbE LAN, CompactFlash™, 1 x PCI-E [x4], 1 x PCI-E [x16], 4 x SATA, RAID, AMT, Rev A1.0
- **TF-IMBA-910-A10-VE**
Industrial ATX Motherboard, LGA775, Conroe / Pentium® 4, VGA, 1 x 10/100 LAN, CompactFlash™, 1 x PCI-E [x4], 1 x PCI-E [x16], 4 x SATA, Rev A1.0
- **TF-IMBA-910-A10-VG**
Industrial ATX Motherboard, LGA775, Conroe / Pentium® 4, VGA, 1 x 1GbE LAN, CompactFlash™, 1 x PCI-E [x4], 1 x PCI-E [x16], 4 x SATA, Rev A1.0
- **TF-IMBA-910-A10-EG**
Industrial ATX Motherboard, LGA775, Conroe / Pentium® 4, VGA, 1 x 10/100 LAN, 1 x 1GbE LAN, CompactFlash™, 1 x PCI-E [x4], 1 x PCI-E [x16], 4 x SATA, Rev A1.0
- **TF-IMBA-910-A10-G2**
Industrial ATX Motherboard, LGA 775, Conroe / Pentium® 4, VGA, 2 x 1GbE LAN, CompactFlash™, 1 x PCI-E [x4], 1 x PCI-E [x16], 4 x SATA, Rev A1.0

Dimension Unit: mm



Optional Accessories

- 1759200162
CPU Cooler Fan, for LGA775 Pentium® 4 3.8GHz, 3P, 12V, Dual Ball Bearing, 2U

Chassis Options

Model Name	Description	Remark
TF-AMC-280M	ATX/Micro ATX, Wallmount, Bare Chassis, for PS2 Power, PS_SW(ATX), Color: White	
TF-ARC-615M	Rackmount, 1U Chassis Bare for Motherboard & PS2 Power, PS_SW(ATX), Color: Black	
TF-ARC-625M	Rackmount, 2U Chassis Bare for Motherboard & PS2 Power, PS_SW(ATX), Color: Black	
TF-ARC-635M	Rackmount, 3U Chassis Bare for Motherboard & Power PS2, PS_SW(ATX), Color: Black	
TF-ARC-636M	Rackmount, 3U Chassis Bare for Motherboard & Power 3U, PS_SW(ATX), Color: Black	
TF-ARC-640M	Rackmount, 4U Chassis Bare for Motherboard & PS2 Power, PS_SW(ATX), Color: White	
TF-ARC-645M	Rackmount, 4U Chassis Bare for Motherboard & PS2 Power, PS_SW(ATX), Color: Black	