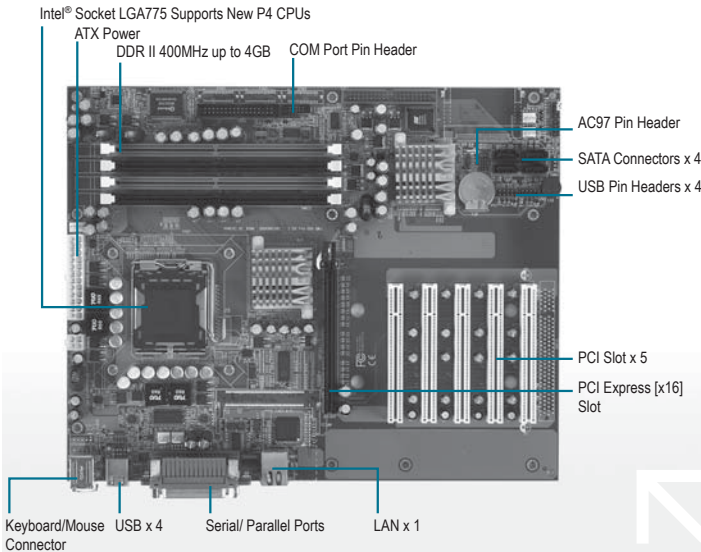


FWB-880M

Intel® Pentium® 4 up to 3.8GHz/ Celeron®-D Industrial Motherboard Dual Core CPU/ PCI-Express [x16] Slot/ Socket LGA775/ SATA Support



Specifications

System	
Form Factor	Standard ATX Form Factor
Processor	Intel® Pentium® 4 up to 3.8 GHz/ Pentium® D up to 3.6GHz/ Celeron® D processor up to 3.46 GHz; LGA775 package, FSB: 533/800/1066MHz, Compatible P6 Bus protocol
System Memory	4 x 240-pin 1.8V DDR2 DIMM Socket, total up to 4GB Supports Dual Channel DDR memory (DDR2 533/667)
Chipset	Intel® 945G + Intel® 82801GB(Ich7)/ Ich7R (optional)
Ethernet	Intel® 82562EZ controller 10/100Mb LAN optional, RJ-45 x 1
BIOS	Award Plug & Play BIOS – 4Mb ROM
IDE Interface	ATA-100 x 1 channel SATA 3Gb/s x 4 (Supports four SATA II devices)
SSD	Supports CompactFlash™ Type II Connector
PCI Interface	32-bit/33MHz PCI bus supports 5 Master devices
Expansion Interface	PCI, PCI-Express
Watchdog Timer	1~255 sec. can be set with software on Super I/O
RTC	Internal RTC
Power Requirement	ATX 12V
Power Consumption (Typical)	95W, with Pentium® D 3.2GHz/ FSB 800MHz/ 1MB x 2 L2 Cache
Operating Temperature	32°F ~ 130°F (0°C ~ 40°C)
Board Size	304.8 mm x 243.8 mm
Gross Weight	0.71 lb (0.3 kg)
MTBF (Hours)	55,177
EMC	CE/ FCC Class A
Display	
VGA Controller	Supports CRT/ LCD Simultaneous Display Integrated VGA on Intel® 945G core frequency up to 400MHz/[x16] PCI-Express slot
Memory	Share memory 256 MB
Resolutions	CRT: up to 1600x1200@36-bit colors LCD: up to 1280x1024@24-bit colors
LCD Interface	Support 36-bit dual channel LVDS
I/O	
I/O Chipset	Ich7/R + Winbond 83627EHF
IR Interface	One IrDA Tx/Rx Header
Audio (Daughter Board)	AC 97 pin-header (Audio Daughterboard optional)
Floppy Drive Interface	One Standard FDD port, supports up to two floppy devices
Serial Port	Two COM ports: (Internal Pin Header x1 , External D-sub x 1) COM 1, 2: RS-232/ RS-422/ RS-485
Parallel Port	Supports SPP/ EPP/ ECP modes
Keyboard and Mouse	One Mini-DIN PS/2 Keyboard connector One Mini-DIN PS/2 Mouse connector
Universal Serial Bus	8 USB 2.0 Ports Two 5x2 pin headers for internal connections Four Type-A connectors onboard

Features

- Supports Intel® Pentium® 4/ Celeron®-D LGA775 CPU Up To 3.8GHz (Supports 1066/800/533 MHz FSB)
- DDR2 Memory Support up to 4GB
- Integrated GMA950 2D/3D Graphics Accelerator with x16
- PCI-Express Slot, VGA Support
- 10/100 Base-TX Ethernet
- Supports Ultra ATA100 & SATA 3Gb/s & CompactFlash™ Type-II Storage
- 8 USB 2.0/ 2 RS-232/422/485/ 1 Parallel/ 1 IrDA Port
- Watchdog Function 1~255 Sec.



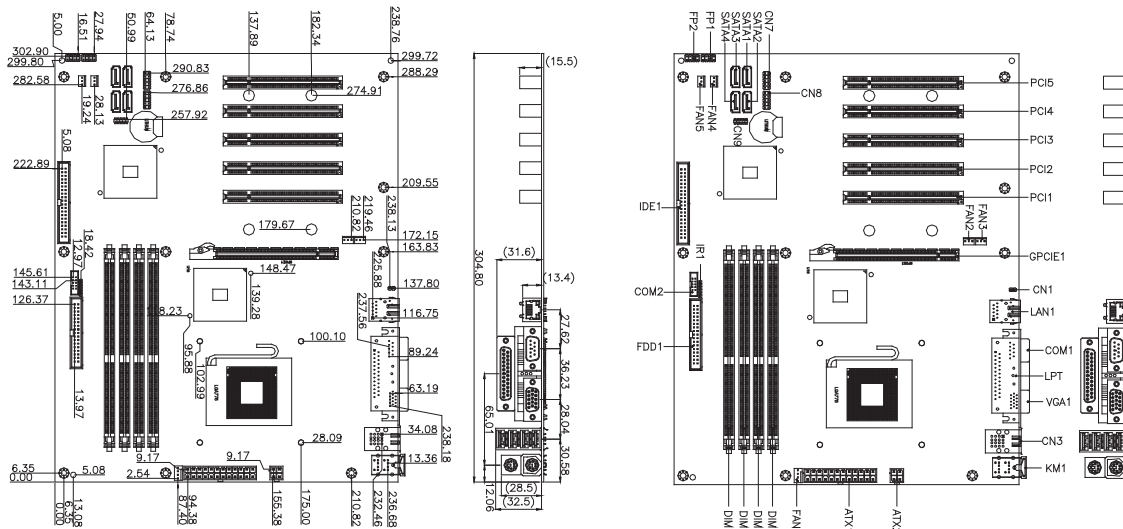
Packing List

- 1701340704**
Flat Cable, 34P, 70cm, GRAY for Floppy Disk Drive
- 1701400453**
Cable, 40P 2.54mm IDC w/Nose w/Fold, 40P 2.54mm IDC w/ Nose w/Fold, 45cm, Blue ATA-100, B016-009-2
- 1700060192**
Cable, 6P-6P-6P, 19cm, IVORY PS2/ Keyboard&Mouse
- 1701260307**
Flat Cable, 9P/DB9P MALE&25P DB25P FEMALE, 10P 2mm & 26P 2mm/IDC NO FOLD, 30cm, W/BKT, A002-015
- 1701100305**
Flat Cable, 9P/DB9P MALE, 10P/2.0mm Pitch/IDC NO FOLD, 30cm, W/BACKET
- 1703030501**
Wire, 3P 2.5mm Housing, 3P 2.5mm Housing, 50cm
- 1709100201**
USB Cable, 20cm 2.0mm, W/Bracket
- 1709070780**
4 SATA CABLES, 7P Pitch 1.27mm, 78cm
- 1759200161**
CPU Cooler Fan, for LGA775 Pentium® 4 3.6G, 4P, 12V, Dual ball bearing, LGA-775-91502
- 21304866G0**
Sponge, FSB-866G, 400x185x10 mm, Black
- 211866G001**
Inside Box, FSB-866G, 120x80x88 mm
- Quick Installation Guide**
- Utility CD-ROM**
- FWB-880M**

Ordering Information

- TF-FWB-880M-A10-VE**
Industrial Motherboard, Socket 775 Pentium® 4 Processor, with VGA, 1 x 10/100M Ethernet, Rev A1.0

Dimension Unit: mm



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-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	

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- 05** Network Appliances
- 06** Industrial Backplanes
- 07** Daughter Boards
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- 11** Accessories