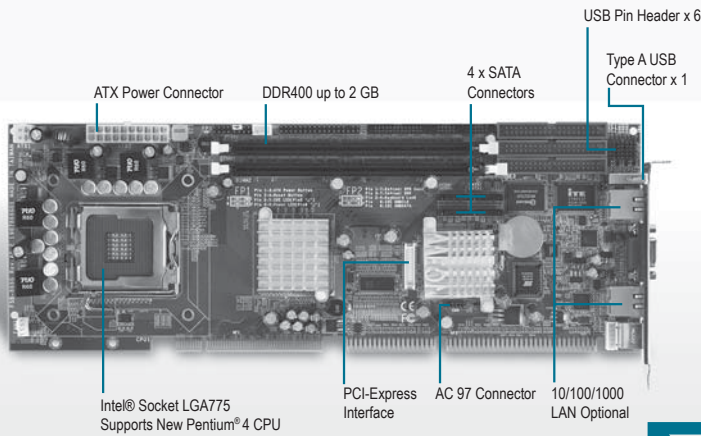


Intel® Pentium® 4 LGA775 PICMG Full-size SBC

01

Full-size SBCs



Features

- Intel® Pentium® 4/ Celeron® D CPUs up to 3.8GHz
- DDR 333/400 Memory Support Up To 2GB
- Integrated GMA900 2D/3D Graphics Accelerator, VGA Support
- PCI-Express Connector x 2, Support Full-speed Gigabit LAN x 2
- USB2.0 x 7/ RS-232 x 1, RS-232/422/485 x 1/ Parallel x 1/ IrDA Port x 1
- Ultra ATA100 & SATA & CompactFlash™ Type-II Storage
- IDE Slot x 1 Supports IDE Device x 2
- ITE8211 Supports 3 IDE Devices (Optional)



Specifications

System	
Form Factor	PICMG Full-size SBC
Processor	Supports Intel® LGA 775 Pentium® 4 and Celeron®-D Processors up to 3.8 GHz (533/800MHz FSB) , only support 90 nm processor
System Memory	184-pin 2.5V DDR DIMM Socket x 2, total up to 2GB Support Dual Channel DDR memory (DDR 333/400)
Chipset	Intel® 915GV + Intel® 82801FB (ICH6/ ICH6R optional)
Ethernet	PCI-Express 10/100Mb or 10/100/1000Mb LAN RJ-45 connector Marvell 88E8036/88E8053 controller
BIOS	Award Plug & Play FWH BIOS-4Mb ROM
IDE Interface	ATA-100 x 1 channel (Support two ATAPI devices) SATA-I x 4 (Support four SATA devices)
SSD	Supports CompactFlash™ Type II connector, USB to IDE
ISA Interface	PCI to ISA Bridge Used
Expansion Interface	ISA/ PCI/ PCI-Express Connector
Watchdog Timer	1~255 Sec. and can be set with software on Super I/O
RTC	Internal RTC
Battery	Lithium battery
Power Requirement	ATX, ATX12V
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Board Size	13.3"(L) x 4.8"(W) (338mm x 122mm)
Gross Weight	1.2 lb (0.5 kg)
MTBF (Hours)	68,914
Power Consumption (Typical)	112W, with Pentium® 4 3.2GHz/ FSB 800MHz/ 1MB L2 Cache
Display	
VGA Controller	Supports CRT & LCD simultaneous display
Memory	Integrated GMA 900 on Intel® 915GV, Core frequency up to 333MHz
Resolutions	Shared Memory up to 128MB
LCD Interface	Up to 2048 x 1536 @ 32bpp for CRT
N/A	N/A
I/O	
Serial Port	Chip /W83627EHG
Parallel Port	COM port x 2: (Internal pin header, external D-sub x 2) COM 1: RS-232 COM 2: RS-232/422/485
Universal Serial Bus	Parallel Port x 1, Supports SPP/EPP/ECP mode USB 2.0 Port x 7; 5 x 2 pin headers for internal x 3; Type-A connector onboard x 1
Floppy Drive Interface	Standard Floppy Disk Drive port x 1
Keyboard and Mouse	Mini-DIN for PS/2 Keyboard and mouse connector x 1; Internal keyboard pin header x 1
IR Interface	Supports IrDA header x 1
Audio (Daughter Board)	Realtek ALC655 AC97 Codec, MIC-in/ Line-in/ Line-out/ CD-in optional

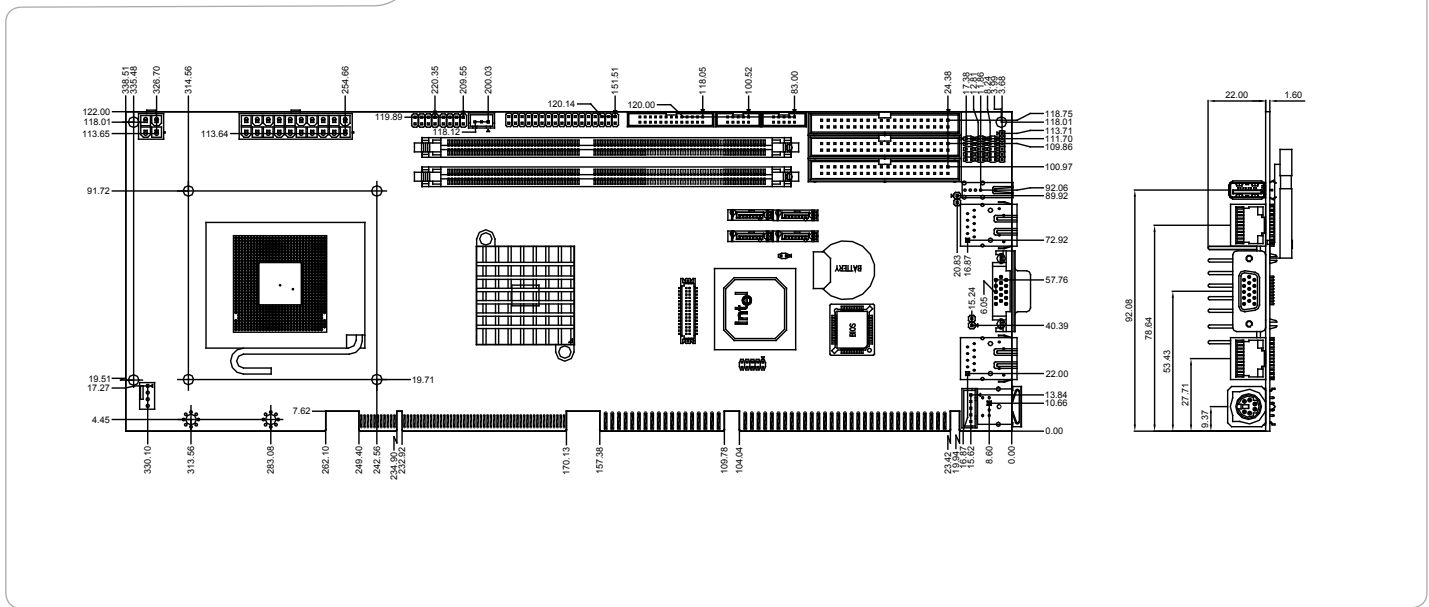
Packing List

- **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, 400 x 185 x10 mm, Black
- **Quick Installation Guide**
- **Utility CD**
- **FSB-866G**

Ordering Information

- **TF-FSB-866G-A11-V**
Full-size PICMG CPU Card, Socket 775 Pentium® 4, VGA, Rev. A1.1
- **TF-FSB-866G-A11-VE**
Full-size PICMG CPU Card, Socket 775 Pentium® 4, VGA, 10/100M Ethernet, Rev. A1.1
- **TF-FSB-866G-A11-VG**
Full-size PICMG CPU Card, Socket 775 Pentium® 4, VGA, Gigabit Ethernet, Rev. A1.1
- **TF-FSB-866G-A11-EG**
Full-size PICMG CPU Card, Socket 775 Pentium® 4, VGA, 1 x 10/100M & 1 x 10/100/1000M Ethernet, Rev. A1.1
- **TF-FSB-866G-A11-E2**
Full-size PICMG CPU Card, Socket 775 Pentium® 4, VGA, 2 x 10/100M Ethernet, Rev. A1.1
- **TF-FSB-866G-A11-G2**
Full-size PICMG CPU Card, Socket 775 Pentium® 4, VGA, 2 x Gigabit Ethernet, Rev. A1.1

Dimension Unit: mm



Passive Backplane Options

P/N	Description	Master Interface	Slots	Power Connector, ATX Extend Function
TF-BP-213RG-P4-A11	Rackmount, PICMG, 13-slot R.PCI Backplane, 4 PCI/7 ISA, Single Segment, AT/ATX, Rev. A1.1	PICMG	4/8/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-214SG-P4-A11	Rackmount, PICMG, 14-slot Backplane, 4 PCI/ 8 ISA, Single Segment, AT/ATX, Rev. A1.1	PICMG	4/9/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-214SG-P7-A11	Rackmount, PICMG, 14-slot Backplane, 7 PCI/ 5 ISA, Single Segment, AT/ATX, Rev. A1.2	PICMG	7/6/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-214SG-P12-A11	Rackmount, PICMG, 14-slot Backplane, 12 PCI/1 ISA Single Segment, AT/ATX, Rev. A1.1	PICMG	12/2/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-208SG-P4-A11	Wallmount, PICMG, 8-slot Backplane, 4 PCI/ 2 ISA, Single Segment, AT/ATX, Rev. A1.1	PICMG	4/3/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-208SG-P7-A11	Wallmount, PICMG, 8-slot Backplane, 7 PCI/ 0 ISA, Single Segment, AT/ATX, Rev. A1.1	PICMG	7/0/1 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-206VG-P4-A11	Rackmount, PICMG, 6-slot Backplane, 4 PCI/ 0 ISA, Single Segment, AT/ATX, Rev. A1.1	PICMG	4/0/1 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-206VG-P2-A10	Rackmount, PICMG, 6-slot Backplane, 2 PCI/ 3 ISA, Single Segment, ATX, Rev. A1.0	PICMG	2/3/1 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-206SG-P4-A11	Wallmount, PICMG, 6-slot Backplane, 4 PCI, 2 ISA, Single Segment, ATX, Rev. A1.1	PICMG	4/2/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-206SG-P3-A11	Wallmount, PICMG, 6-slot Backplane, 3 PCI, 3 ISA, Single Segment, ATX, Rev. A1.0	PICMG	3/3/2 (PCI/ ISA/ PICMG)	ATX, 3-pin ATX extend

Optional Accessories

- **TF-PER-C101**
Dual PCI-E Giga LANs Card w/Broadcom BCM 5789/5751/5721
- **TF-PER-C102**
Dual PCI-E 10/100/1000 LANs Card w/Marvell 88B8036/53
- **TF-PER-U00A**
5.1 Channel Audio 4 USB Connectors
- **1703030501**
ATX Power from Backplane to CPU Card
- **1702030301**
ATX Power Simulation AT Power Switch Wire
- **1701400800**
P-ATA100 Cable 80cm
- **1709070780**
SATA Cable 78cm
- **1702043000**
ATX 12V Extension Cable
- **1701260307**
1 Serial port + 1 Parallel port with Bracket
- **1701100305**
1 Serial port with Bracket
- **1998666611**
P-ATA IDE removable frame-Black
- **1998666612**
P-ATA IDE removable frame-White
- **1998666613**
SATA IDE removable frame-Black
- **1998666614**
SATA IDE removable frame-White
- **1759200162**
CPU Cooler Fan for LGA775 Pentium® 4, 3.8GHz, 3P 12V, Dual Ball Bearing, 2 U.