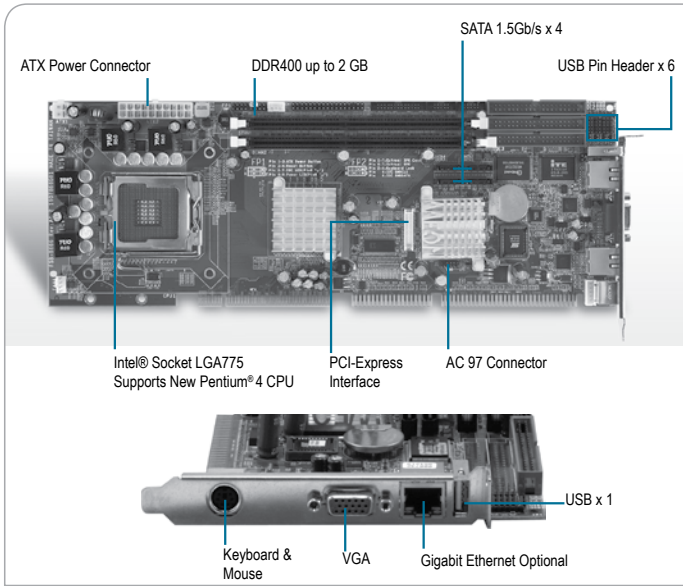


FSB-866G

Full-Size SBC With Intel® Pentium® 4 LGA775 Processor

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Full-Size SBCs (PICMG 1.0)

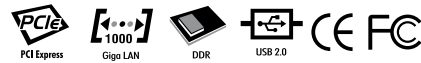


Features

- Intel® Pentium® 4/ Celeron® D CPU
- Intel® 915GV + Intel® ICH6 (ICH6R)
- DDR 333/400 Memory, Up To 2 GB
- 10/100Base-TX Ethernet x 2 (Gigabit Ethernet Optional)
- Integrated GMA900 2D/3D Graphics Accelerator, VGA Support
- AC97 Codec Audio Daughter Board (Optional)
- Ultra ATA100 x 1, SATA 1.5Gb/s x 4, CompactFlash™ Type 2 x 1
- USB2.0 x 7, COM x 2, Parallel x 1, IrDA x 1
- ISA, PCI, PCI-Express Expansions
- ATX 2.1
- ITE8211 Supports 3 IDE Devices (Optional)
- PICMG 1.0

Specifications

System	
Form Factor	PICMG Full-Size SBC
Processor	Intel® LGA 775 Pentium® 4 and Celeron® D Processors (FSB 533/800 MHz)
System Memory	184-pin 2.5V DDR DIMM Socket x 2, up to 2 GB Support Dual-channel (DDR 333/400)
Chipset	Intel® 915GV + Intel® 82801FB (ICH6/ ICH6R optional)
Ethernet	Marvell® 88E8036 controller: 10/100Base-TX Marvell® 88E8053 controller: 10/100/1000Base-TX optional RJ-45 x 2
BIOS	Award Plug & Play FWH BIOS-4 Mb ROM
Expansion Interface	ISA/ PCI/ PCI-Express Connector (30-pin box header)
Watchdog Timer	1~255 steps, can be set with software on Super I/O
RTC	Internal RTC
Battery	Lithium battery
Power Requirement	ATX 2.1
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Board Size	13.3"(L) x 4.8"(W) (339mm x 122mm)
Gross Weight	1.2 lb (0.5 kg)
MTBF (Hours)	65,000
Power Consumption (Typical)	112W, with Pentium® 4 3.2 GHz/ FSB 800 MHz/ 1MB L2 Cache
Display	
VGA Controller	Integrated GMA 900 on Intel® 915GV, Core™ frequency up to 333 MHz
Memory	Shared Memory up to 128 MB
Resolutions	Up to 2048 x 1536 @ 32bpp for CRT
I/O	
Winbond W83627EHG	
Storage	ATA-100 x 1 channel (Supports two ATAPI devices) SATA 1.5Gb/s x 4 CompactFlash™ Type 2 x 1 (USB to IDE) Standard Floppy Disk x 1
Serial Port	COM x 2: (Internal pin header x 2) COM 1: RS-232 COM 2: RS-232/422/485
Parallel Port	Parallel Port x 1, Supports SPP/EPP/ECP mode
Universal Serial Bus	USB2.0 x 7 (Internal 5 x 2-pin header x 3, up to 6 USB, Type-A connector onboard x 1)
PS/2 Port	Keyboard x 1; Mouse x 1
Audio (Daughter Board)	Realtek ALC655 AC97 Codec, MIC-in/ Line-in/ Line-out/ CD-in optional
IrDA	Supports IrDA header x 1



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 with 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/ Bracket, A002-015
- **1701100305**
Flat Cable, 9P/DB9P Male, 10P/2.0mm Pitch/IDC No Fold, 30cm, W/Bracket
- **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 x 10 mm, Black
- **Quick Installation Guide**
- **Product CD**
- **FSB-866G**

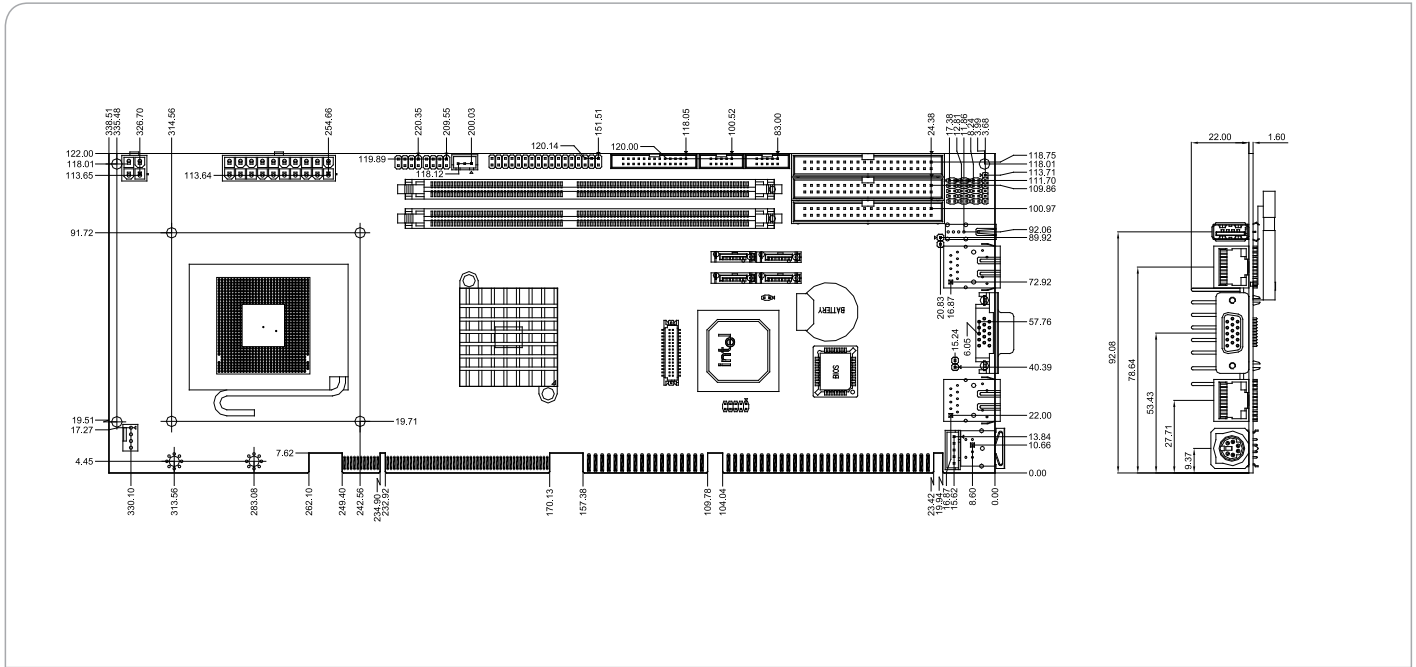
Ordering Information

- **TF-FSB-866G-A11-VE**
Full-Size PICMG CPU Card, Socket 775 Pentium® 4, VGA, 10/100Base-TX 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-G2**
Full-Size PICMG CPU Card, Socket 775 Pentium® 4, VGA, 2 Gigabit Ethernet, Rev. A1.1

FSB-866G

Dimension

Unit: mm



Passive Backplane Options

P/N	Description	Master Interface	Slots	Power Connector, ATX Extend Function
TF-BP-2145G-P4	Rackmount, PICMG, 14-slot Backplane, 4 PCI/ 8 ISA, Single Segment, AT/ATX	PICMG	4/9/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-2145G-P7	Rackmount, PICMG, 14-slot Backplane, 7 PCI/ 5 ISA, Single Segment, AT/ATX	PICMG	7/6/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-2145G-P12	Rackmount, PICMG, 14-slot Backplane, 12 PCI/1 ISA Single Segment, AT/ATX	PICMG	12/2/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-2085G-P4	Wallmount, PICMG, 8-slot Backplane, 4 PCI/ 2 ISA, Single Segment, AT/ATX	PICMG	4/3/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-2085G-P7	Wallmount, PICMG, 8-slot Backplane, 7 PCI/ 0 ISA, Single Segment, AT/ATX	PICMG	7/0/1 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-206VG-P2	Rackmount, PICMG, 6-slot Backplane, 2 PCI/ 3 ISA, Single Segment, ATX	PICMG	2/3/1 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-2065G-P4	Wallmount, PICMG, 6-slot Backplane, 4 PCI, 2 ISA, Single Segment, ATX	PICMG	4/2/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend

Optional Accessories

- **TF-PER-C101**
Dual PCI-E Gigabit Ethernet Card w/Broadcom BCM 5789/5751/5721
- **TF-PER-C102**
Dual PCI-E Gigabit Ethernet 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