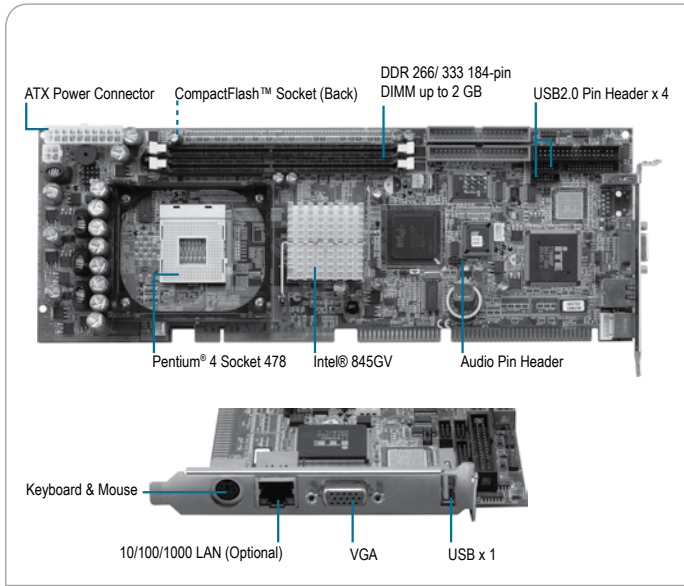


FSB-860B

Full-Size SBC With Intel® Pentium® 4/ Celeron® Socket 478 Processor

05

Full-Size SBCs (PICMG 1.0)



Features

- Intel® Pentium® 4/ Celeron® CPU
- Intel® 845GV + Intel® ICH4
- DDR333 Memory Up To 2 GB
- 10/100/1000Base-TX Ethernet x 2 (Gigabit Ethernet Optional)
- Integrated AGP 4X 2D/3D Graphics Accelerator
- AC97 Codec Audio Daughter Board (Optional)
- Ultra ATA100 x 2, CompactFlash™ Type 2 x 1
- USB2.0 x 5, COM x 2, Parallel x 1, IrDA x 1
- ISA, PCI, PCI-Express Expansions
- ATX 2.1
- ISA High-driver Supports Up To 20 Slots 64mA Fan-out
- PICMG 1.0

Specifications

System	
Form Factor	PICMG Full-Size SBC
Processor	Intel® Pentium® 4/ Celeron® FSB: 400/ 533 MHz
System Memory	184-pin 2.5V DDR DIMM Socket x 2, up to 2 GB Supports DDR 333 memory (DDR 266/333)
Chipset	Intel® 845GV and Intel® 82801DB (ICH4)
Ethernet	Intel® 82562ET/82551QM: 10/100Base-TX Intel® 82541GI: 10/100/1000Base-TX (optional) RJ-45 x 2
BIOS	Award Plug & Play FWH BIOS-4 Mb ROM
Expansion Interface	ISA/ PCI Connector
Watchdog Timer	1~255 steps, and 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)	75,000
Power Consumption (Typical)	58W, with Pentium® 4 2.4 GHz/ FSB 533 MHz/ 512 KB L2 Cache
Display	
VGA Controller	Integrated Intel® 845GV, AGP 4X, Core™ frequency up to 266 MHz
Memory	Shared memory up to 32 Mb
Resolutions	Up to 2048 x 1536 for CRT
I/O	
Storage	ATA-100 x 2 channel (Support two ATAPI devices) CompactFlash™ Type 2 x 1 (USB to IDE) Standard Floppy connector x 1 (up to 2 devices)
Serial Port	COM x 2: (Internal pin header x 2) COM 1: RS-232 COM 2: RS-232/ 422/ 485
Parallel Port	Supports SPP/ EPP/ ECP mode
Universal Serial Bus	USB2.0 x 5 (Internal 5 x 2-pin header x 2, up to 4 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
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
- **1709100201**
USB Cable, 20cm 2.0mm, w/Bracket
- **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
- **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
- **Quick Installation Guide**
- **Product CD**
- **FSB-860B**

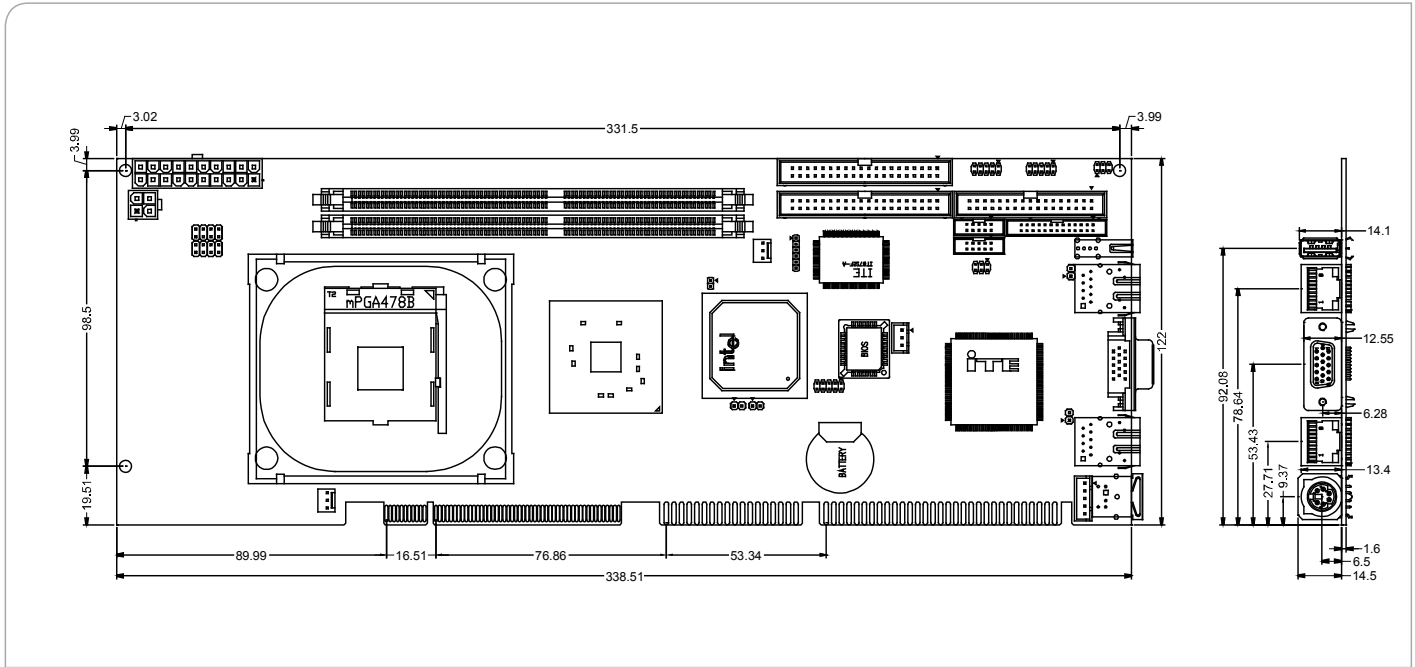
Ordering Information

- **TF-FSB-860B-A10-V**
Full-Size CPU Card, Socket 478 for Pentium® 4, VGA, 5 USB, CompactFlash™, AC97, ATX, Rev.A1.0
- **TF-FSB-860B-A10-VE**
Full-Size CPU Card, Socket 478 for Pentium® 4, VGA, 1 10/100Base-TX Ethernet, 5 USB, CompactFlash™, AC97, ATX, Rev. A1.0
- **TF-FSB-860B-A10-VG**
Full-Size CPU Card, Socket 478 for Pentium® 4, VGA, 1 Gigabit Ethernet, 5 USB, CompactFlash™, AC97, ATX, Rev. A1.0
- **TF-FSB-860B-A10-E2**
Full-Size CPU Card, Socket 478 for Pentium® 4, VGA, 2 10/100Base-TX Ethernet, 5 USB, CompactFlash™, AC97, ATX, Rev. A1.0

FSB-860B

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-U00A**
Audio Daughter Board
- **1701400802**
Flat Cable, 40P-40P-40P (UL: 2651, 15cm+65cm) 80cm, for ATA 33
- **1701400800**
Flat Cable, 40P-40P-40P (UL: 20674, 15cm+65cm) 80cm, for ATA100
- **1701400702**
Flat Cable, 40P ATA-100, 2.54mm, BLUE/GRAY/BLACK, 70cm for Hard Disk Drive
- **1709070780**
SATA Cable, 7P Pitch 1.27mm, 78cm