

FSB-860B

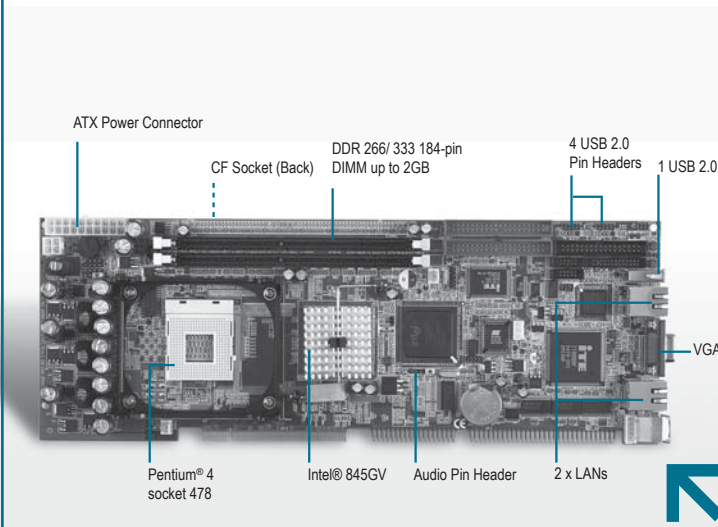
Intel® Pentium® 4 Socket 478 PICMG Full-size SBC

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Full-size SBCs

Features

- Intel® Pentium® 4 CPU up to 3.06GHz
- DDR333 Memory up to 2GB
- Integrated AGP 4X 2D/3D Graphics Accelerator, VGA Output Support
- Dual 10/100/1000Base-TX Ethernet
- Optional AC97 Codec Audio (Daughter Board)
- USB2.0 x 5/ RS-232 x 1, RS-232/422/485 x 1/ Parallel x 1/ IrDA Port x 1
- Ultra ATA100 & CompactFlash™ Type II Storage
- Watchdog Function 1~255 Sec.
- ISA High-driver Supports up to 20 Slots 64mA Fan-out



Specifications

System	
Form Factor	PICMG Full-size SBC
Processor	Intel® Pentium®4/ Celeron® FSB: 400/ 533MHz, supports up to 3.06 GHz
System Memory	184-pin 2.5V DDR DIMM Socket, total up to 2GB x 2, Supports DDR 333 memory (DDR 266/333)
Chipset	Intel® 845GV and Intel® 82801DB (ICH4)
Ethernet	10/100Mb or 10/100/1000Mb LAN optional, RJ-45 x 2, Intel® 82562ET, Intel® 82551QM/ 82541GI Controller
BIOS	Award Plug & Play FWH BIOS-4Mb ROM
IDE Interface	ATA-100 x 2 channel (Support two ATAPI devices)
SSD	Supports CompactFlash type II connector (USB to IDE)
Expansion Interface	ISA/ PCI/ PCI-Express Connector
Watchdog Timer	1~255 Sec. 64 level 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) (338 mm x 122 mm)
Gross Weight	1.2 lb (0.5 kg)
MTBF (Hours)	76,412
Power Consumption (Typical)	58W, with Pentium® 4 2.4GHz/ FSB 533MHz/ 512KB L2 Cache
Display	
VGA Controller	Integrated Intel® 845GV, AGP 4X, Core frequency up to 266MHz
Memory	Shared memory up to 32MB
Resolutions	Up to 2048 x 1536 for CRT
LCD Interface	N/A
I/O	
Serial Port	COM port x 2: (Internal pin header, external D-sub x 2) COM 1: RS-232 COM 2: RS-232/ 422/ 485
Parallel Port	Supports SPP/ EPP/ ECP mode
Universal Serial Bus	USB 2.0 Port x 5 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, supports up to two floppy devices
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

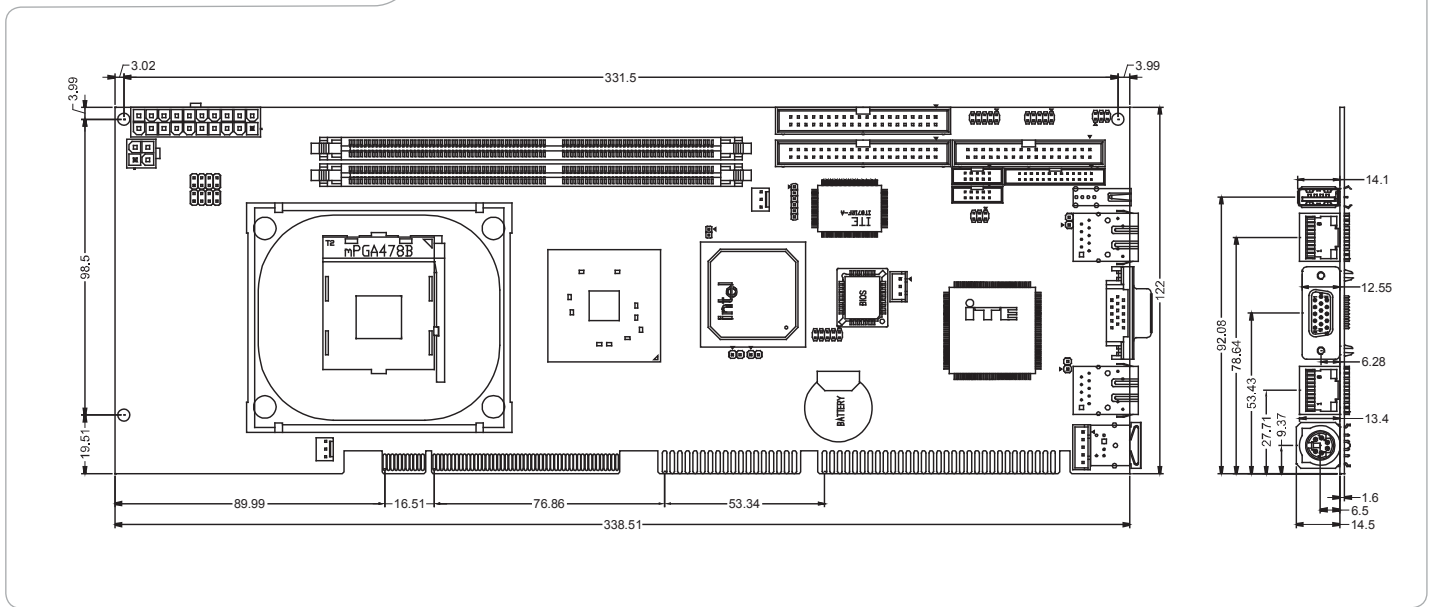
Packing List

- **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
- **1709100201**
USB Cable. 20cm 2.0mm.w/Bracket
- **1700060192**
Cable. 6P-6P-6P. 19cm. IVORY PS2/ K/B&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
- **Quick Installation Guide**
- **Utility CD**
- **FSB-860B**

Ordering Information

- **TF-FSB-860B-A10-V**
Full-size CPU Card,Socket 478 for Pentium® 4,VGA,5 USBs, CF,AC97, ATX, Rev 1.0
- **TF-FSB-860B-A10-VE**
Full-size CPU Card,Socket 478 for Pentium® 4, VGA,1LAN, 5 USBs, CF, AC97, ATX, Rev 1.0
- **TF-FSB-860B-A10-VG**
Full-size CPU Card,Socket 478 for Pentium® 4,VGA,1GbE LAN, 5 USBs, CF, AC97, ATX, Rev 1.0
- **TF-FSB-860B-A10-E2**
Full-size CPU Card,Socket 478 for Pentium® 4,VGA,2 LANs, 5 USBs, CF, AC97, ATX, Rev 1.0
- **TF-FSB-860B-A10-F**
Full-size CPU Card,Socket 478 for Pentium® 4, VGA, 1 LAN, 1 GbE LAN,5 USBs, CF, AC97, ATX, Rev.1.0

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-U00A**
Audio Daughter Board
- **1759200165**
(TF) CPU Cooler Fan, for Socket 478, Pentium® 4 3.2G, 3P, 12V
- **1759200332**
(TF) CPU Cooler Fan + Heat Sink, Socket 478, 3P, 12V, 1U Low Profile
- **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 ATA 100
- **1701400702**
Flat Cable. 40P ATA-100. 2.54mm. BLUE/GRAY/BLACK. 70cm for Hard Disk Drive
- **1709070780**
SATA Cable. 7P Pitch 1.27mm. 78cm