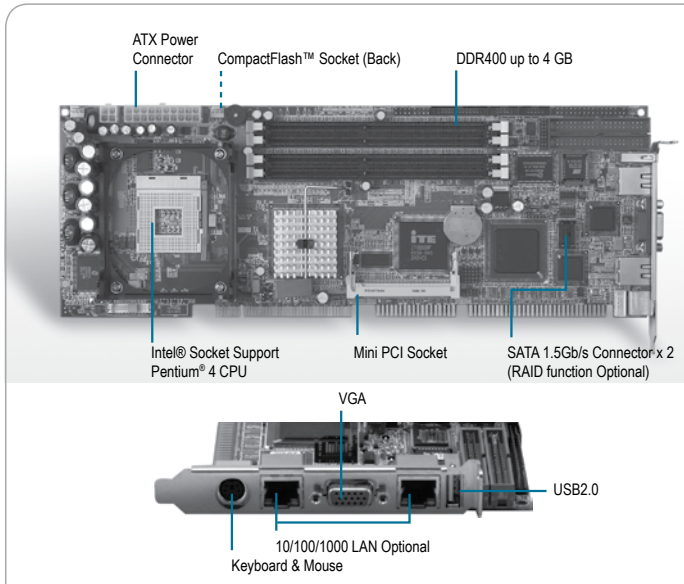


FSB-865G

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

05

Full-Size SBCs (PICMG 1.0)



Features

- Intel® Pentium® 4/ Celeron® D CPU
- Intel® 865G + Intel® ICH5 (ICH5R)
- DDR400 Memory Up To 4 GB
- 10/100Base-TX Ethernet x 2 (Gigabit Ethernet Optional)
- Integrates AGP 8X 2D/3D Graphics Accelerator
- AC97 Codec Audio Daughter Board (Optional)
- Ultra ATA100 x 2, SATA 1.5Gb/s x 2, CompactFlash™ Type 2 x 1
- USB2.0 x 7, COM x 2, Parallel x 1, IrDA x 1
- ISA, PCI, Mini-PCI Type 3 Expansions
- ATX 2.1
- PICMG 1.0

Specifications

System	
Form Factor	PICMG Full-Size SBC
Processor	Intel® Pentium® 4/ Celeron® D CPUs, FSB: 400/533/800 MHz
System Memory	184-pin 2.5V DDR DIMM Socket x 4, up to 4 GB Supports Dual Channels DDR memory (DDR 266/333/400)
Chipset	Intel® 865G + Intel® 82801EB/ER (ICH5/ICH5R optional)
Ethernet	Intel® 82562EZ/ 82551QM: 10/100Base-TX Intel® 82574G/ 82541GI: 10/100/1000Base-TX (optional) RJ-45 x 2
BIOS	Award Plug & Play Firmware Hub BIOS - 4 Mb ROM
Expansion Interface	ISA/ PCI/ Mini PCI Type 3
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)	53W, with Pentium® 4 2.4 GHz/ FSB 533 MHz/ 512 KB L2 Cache
Display	
VGA Controller	Integrates on Intel® 865GV, AGP 8X, Core™ frequency up to 266 MHz
LCD Controller	Chrontel CH7017A supports TV-out And LVDS output
Memory	Shared memory up to 64 MB
Resolutions	Up to 2048 x 1536 @ 32bpp for CRT Up to 1600 x 1200 @ 24-bit for LCD
LCD Interface	18/24-bit dual-channel LVDS
I/O	
	Winbond W83627HF
Storage	ATA-100 x 2 channels (Supports 2 ATAPI devices) SATA 1.5Gb/s x 2 (RAID function optional) CompactFlash™ Type 2 x 1 Standard Floppy Disk 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 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

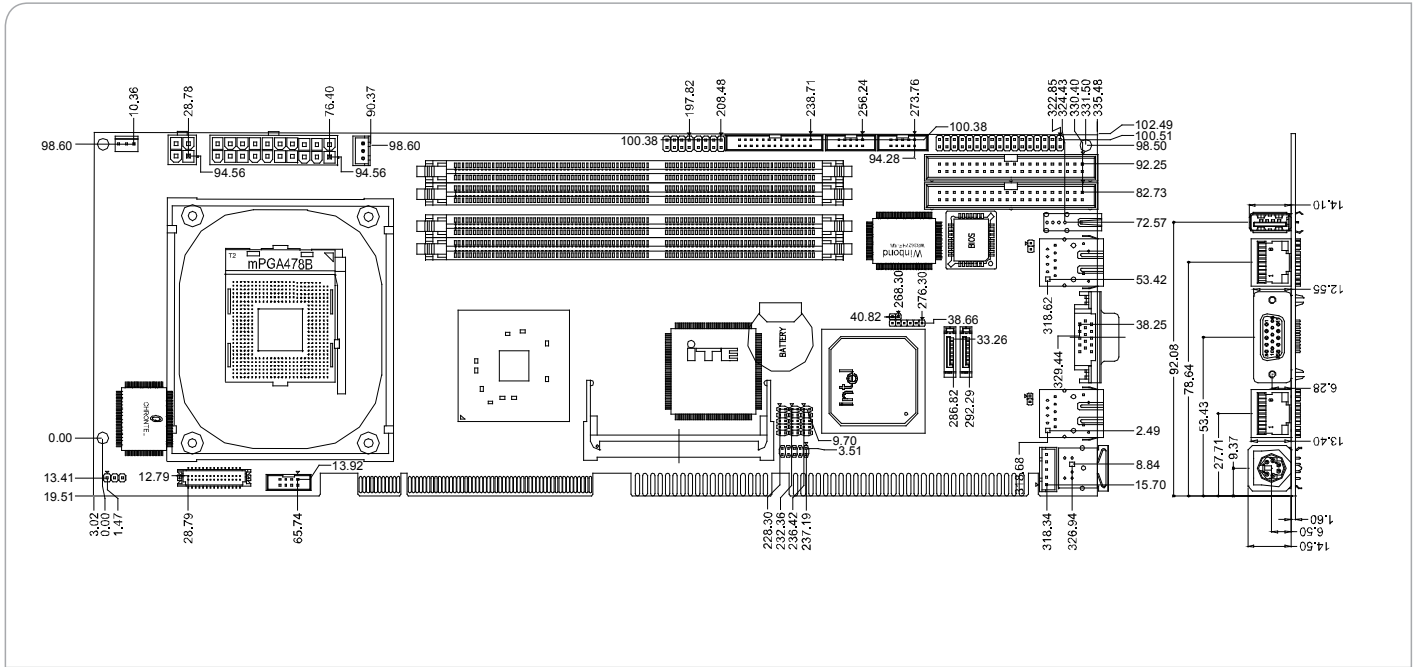
- **1701340704**
Flat Cable, 34P, 70cm, Gray for Floppy Disk Drive
- **1701400453**
Cable, 40P 2.54mm IDC w/Nose w/Fold, 40P 2.54mm IDC with Nose w/Fold, 45cm, Blue ATA-100
- **1709100201**
USB Cable, 20cm 2.0mm, w/Bracket
- **1700060192**
Cable, 6P-6P-6P, 19cm, IVORY PS2/ Keyboard & Mouse
- **1701260307**
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
- **1709070780**
SATA Cable: 7P Pitch 1.27mm, 78cm
- **Quick Installation Guide**
- **Product CD**
- **FSB-865G**

Ordering Information

- **TF-FSB-865G-B10-VE**
Full-Size CPU Card, Socket 478 for Pentium® 4, VGA, 1 10/100Base-TX Ethernet, 7 USB, CompactFlash™, AC97, SATA 1.5Gb/s, ATX, Rev. B1.0
- **TF-FSB-865G-B10-VG**
Full-Size CPU Card, Socket 478 for Pentium® 4, VGA, 1 Gigabit Ethernet, 7 USB, CompactFlash™, AC97, SATA 1.5Gb/s, ATX, Rev.B1.0
- **TF-FSB-865G-B10-E2**
Full-Size CPU Card, Socket 478 for Pentium® 4, VGA, 2 10/100Base-TX Ethernet, 7 USB, CompactFlash™, AC97, SATA 1.5Gb/s, ATX, Rev. B1.0
- **TF-FSB-865G-B10-G2**
Full-Size CPU Card, Socket 478 for Pentium® 4, VGA, 2 Gigabit Ethernet, 7 USB, CompactFlash™, AC97, SATA 1.5Gb/s, ATX, Rev. B1.0
- **TF-FSB-865G-B10-F**
Full-Size CPU Card, Socket 478 for Pentium® 4, VGA, LVDS, TV-out, 2 Gigabit Ethernet, 7 USB, CompactFlash™, Mini PCI, AC97, SATA 1.5Gb/s, ATX, Rev. B1.0

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**
AC97 Audio Daughter Board
- **1701400802**
Flat Cable, 40P-40P-40P(UL:2651, 15cm + 65cm), 80cm for ATA33
- **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
- **1703300351**
LCD Cable, 30-pin to 20-pin, 35cm, for Hyundai HT12X11-200 12.1" 1024 x 768/ 3.3V LVDS Panel