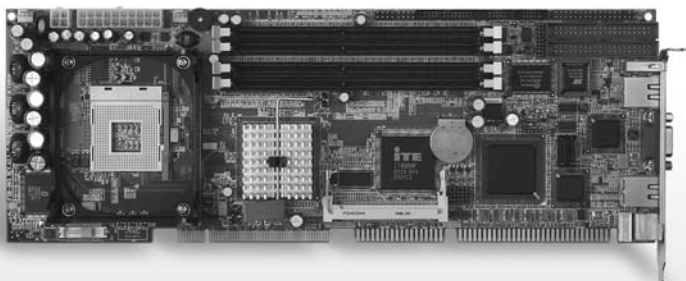


FSB-865G

Industrial Computing Platform Partner

Intel® Pentium® 4 PICMG Full-size SBC



Specifications

Main Specifications	
Form Factor	PICMG Full-size SBC
Processor	Intel® Pentium® 4 / Celeron® / Prescott CPU, FSB : 400/533/800 MHz, supports up to 3.2GHz
Main Chipset	Intel® 865GV + Intel 82801EB/ER (ICH5/ICH5R)
System Memory	4 x 184 Pin 2.5V DDR DIMM Socket, total up to 4 GB Supports Dual Channels DDR memory (DDR 266/333/400)
VGA Controller	Integrates on Intel® 865GV, AGP 8X, Core frequency up to 266MHz
LCD Controller	Chrontel CH7017A supports TV-out And LVDS output
Ethernet	10/100Mb or 10/100/1000Mb LAN optional, RJ-45 x2 Intel® 82562EZ / 82547GI / 82551QM / 82541GI controller
Audio (Daughter Board)	Realtek ALC655 AC97 Codec, MIC-in/Line-in/Line-out/CD-in
BIOS	Award Plug & Play Firmware Hub BIOS - 4Mb ROM
IDE Interface	ATA-100 x 2 channels (Supports two ATAPI devices) SATA-150 x 2 (Supports two SATA devices, Raid function optional)
Floppy Drive Interface	One Standard FDD port, supports up to two floppy devices
Serial Port	Two COM ports : (Internal Pin Header, External D-sub x 2) COM 1 : RS-232 COM 2 : RS-232/ RS-422/ RS-485
Parallel Port	Supports SPP/ EPP/ ECP mode
Keyboard and Mouse	One Mini-DIN PS/2 Keyboard and Mouse connector One internal keyboard pin header
Universal Serial Bus	Seven USB 2.0 ports Three 5 x 2 pin headers for internal One TYPE-A Connector onboard
CompactFlash	Supports CFD Type II Connector
Expansion Interface	ISA / PCI / Mini PCI Type III
IR Interface	Supports one IrDA header
Watchdog Timer	1 ~ 255 sec. can be set with software on Super I/O
RTC	Internal RTC
Power Supply Request	ATX12V, other from Backplane
Operation Temp.	32°F ~ 140°F (0°C ~ 60°C)

Features

- Supports Intel® Pentium® 4 CPU Up to 3.2GHz
- DDR400 Memory Supports Up to 4GB
- Integrates AGP 8X 2D/3D Graphics Accelerator, VGA Support
- Integrates AC-97 Codec Audio (Daughter Board optional)
- Supports dual 10/100/1000Base-T Ethernet (10/100 & GbE Optional)
- Supports Ultra ATA100 & SATA & CompactFlash™ Type-II Storage
- 7 USB 2.0 Ports / RS-232 X 1, RS-232/422/485 X 1 / 1 Parallel / 1 IrDA Port
- Watchdog Function 1 ~ 255 Sec.

Packing List

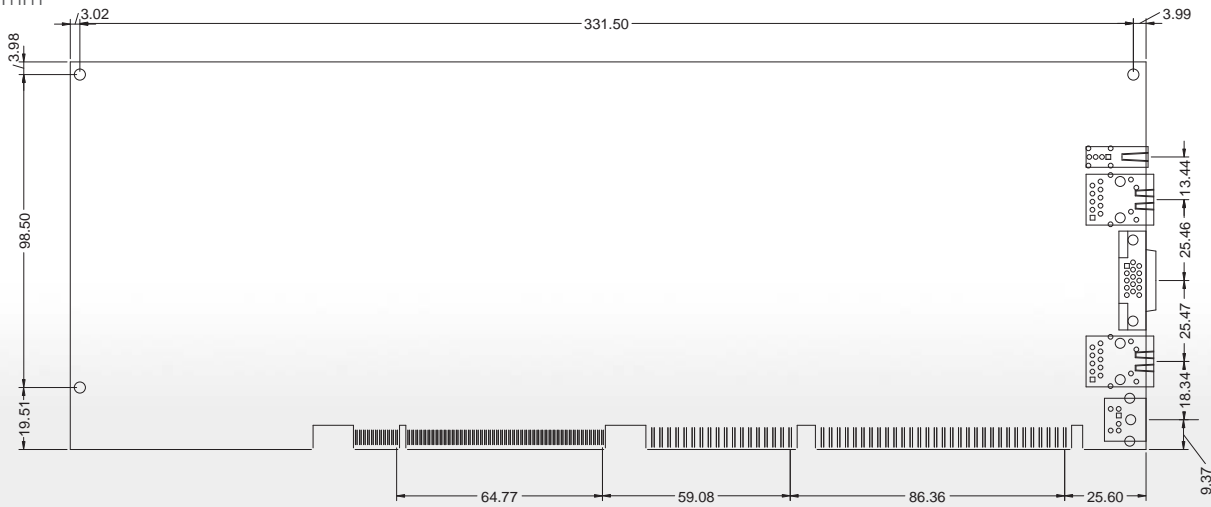
- 1701340704**
Flat Cable. 34P. 70cm. GRAY for FDD
- 1701400453**
Cable. 40P 2.54mm IDC w/Nose w/Fold. 40P 2.54mm IDC w/ Nose w/Fold. 45cm. Blue ATA-100
- 1709100201**
USB Cable. 20cm 2.0mm.w/Bracket
- 1700060192**
Cable. 6P-6P-6P. 19cm. IVORY PS2/ Keyboard&Mouse
- 1701260307**
Flat Cable. 9P/DB9P MALE&25P 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
- Utility CD
- FSB-865G

Ordering Information

- FSB-865G-A10-V**
Full-size CPU Card. Socket 478 for Pentium® 4, VGA, 7 USBs, CF, AC97, SATA, ATX, Rev.A1.0
- FSB-865G-A10-VE**
Full-size CPU Card. Socket 478 for Pentium® 4, VGA, 1 LAN, 7 USBs, CF, AC97, SATA, ATX, Rev.A1.0
- FSB-865G-A10-VG**
Full-size CPU Card. Socket 478 for Pentium® 4, VGA, 1GbE LAN, 7 USBs, CF, AC97, SATA, ATX, Rev.A1.0
- FSB-865G-A10-E2**
Full-size CPU Card. Socket 478 for Pentium® 4, VGA, 2 LANs, 7 USBs, CF, AC97, SATA, ATX, Rev.A1.0
- FSB-865G-A10-EG**
Full-size CPU Card. Socket 478 for Pentium® 4, VGA, 1 LAN, 1 GbE LAN, 7 USBs, CF, AC97, SATA, ATX, Rev.A1.0
- FSB-865G-A10-G2**
Full-size CPU Card. Socket 478 for Pentium® 4, VGA, 2 GbE LANs, 7 USBs, CF, AC97, SATA, ATX, Rev.A1.0
- FSB-865G-A10-F**
Full-size CPU Card. Socket 478 for Pentium® 4, VGA, LVDS, TV-out, 2 GbE LANs, 7 USBs, CF, M-PCI, AC97, SATA, ATX, Rev.A1.0

Dimension

Unit : mm



Passive Backplane Options

Model Name	Backplane Type	Slots				Power Connector	Configuration Standard
		Total	PICMG	PCI	ISA		
BP-213RG-P4-A11	PICMG	14	2	4	7	AT, ATX	ARC-640, 645
BP-214SG-P4-A11	PICMG	14	2	4	8	AT, ATX	ARC-640, 645
BP-214SG-P7-A11	PICMG	14	2	7	5	AT, ATX	ARC-640, 645
BP-214SG-P12-A11	PICMG	14	2	12	1	AT, ATX	ARC-640, 645
BP-208SG-P4-A11	PICMG	8	2	4	2	AT, ATX	AMC-280
BP-208SG-P7-A11	PICMG	8	1	7	0	AT, ATX	AMC-280
BP-206SG-P4-A11	PICMG	6	2	4	2	AT, ATX	AEC-206
BP-206VG-P4-A11	PICMG	6	1	4	0	AT, ATX	ARC-620, 625

Optional Accessories

- **PER-U00A**
AC97 Audio Daughter Board
- **1759200004**
CPU Cooler Fan for Pentium® 4 3.2G. 3P. 12V. One ball bearing.
- **1759200154**
CPU Cooler Fan + Heat Sink. Socket 478. 3P. 12V. 1U Low Profile.
- **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, 30Pin to 20Pin, 35cm, for Hyundai HT12X11-200 12.1"/ 1024*768/ 3.3V LVDS Panel
- **1703300352**
LCD Cable, 30Pin to 30Pin, 35cm, for Hyundai HT17E11-300 17"/ 1280*1024/ 3.3V LVDS Panel. Samsung LTM150XH-L04 15.1"/ 1024*768/ 3.3V LVDS Panel

1

Full-size SBC

2

Half-size SBC

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Embedded Motherboards

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Mini PCI Modules

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Industrial backplanes

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Industrial Chassis

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Sun-readable LCD Monitors

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Accessories