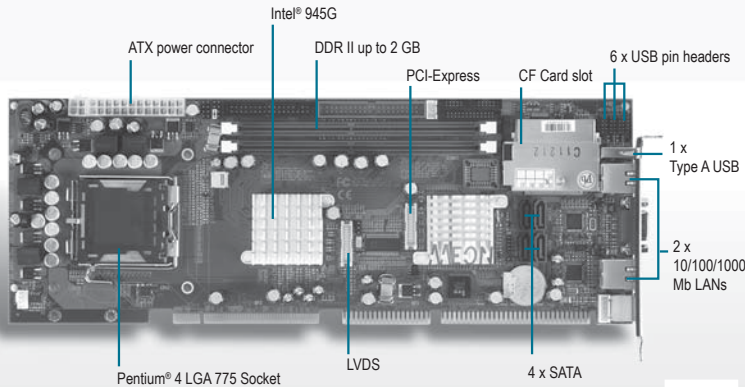


## Intel® Pentium® 4/ Celeron®-D up to 3.8GHz PICMG Full-Size SBC LGA 775 Dual Core CPU/ PCI-Express/ SATA Support



### Features

- Supports Intel® Pentium® 4/ Celeron®-D LGA775 CPU Up To 3.8GHz (Prescott CPU/ Dual Core CPU)
- DDR2 Memory Supports Up To 2GB
- Integrated GMA950 2D/3D Graphics Accelerator, VGA Supports
- Supports Dual Channel LVDS Output
- Supports Two 10/100/1000Base-TX Ethernet (10/100 & GbE Optional)
- Supports Ultra ATA100 & SATA & CompactFlash™ Type-II Storage
- 7 USB 2.0/ 2 RS-232/422/485/ 1 Parallel/ 1 IrDA Ports
- Watchdog Function 1~255 Sec.



### Specifications

System	
Form Factor	PICMG Full-size SBC
Processor	Intel® Pentium® 4 Prescott, Smithfield, Cedar Mill, Celeron®-D CPU LGA775 package, FSB: 533/800/1066MHz
System Memory	2 x 240-pin 1.8V DDR2 DIMM Socket, total up to 2GB Support Dual Channel DDR memory (DDR2 533/667 )
Chipset	Intel® 945G + Intel® 82801GB (ICH7/ ICH7R RAID optional)
VGA Controller	Integrated VGA on Intel® 945G, Core frequency up to 400MHz
Ethernet	2 x PCI Express 10/100Mb or 10/100/1000Mb LAN optional with RJ-45 connectors Marvell 88E8036/88E8053 controller
Audio (Daughter Board)	Realtek ALC655 AC97 Codec, MIC-in/Line-in/Line-out/CD-in
BIOS	Award Plug & Play FWH BIOS-4Mb ROM
IDE Interface	1 x ATA-100 (Supports CD-ROM ATAPI devices) 4 x SATA 3Gb/s (Support four SATA devices)
CompactFlash™	1x CFD type II Connector
Expansion Interface	ISA/ PCI/ PCI Express Connector (DF13-30P)
Power Requirement	ATX, ATX12V
Watchdog Timer	1~255 Sec. can be set with software on Super I/O
RTC	Internal RTC
Operating Temperature	32°F~140°F (0°C ~ 60°C)
EMC	CE/ FCC Class A
I/O	
Floppy Disk Interface	1 x Standard Floppy Disk Drive
SSD	2 x COM ports: (Internal Pin Header, External D-sub x 2) COM 1: RS-232 COM 2: RS-232/ 422/ 485
Parallel port	1 x Parallel port supports SPP/ EPP/ ECP mode
Keyboard and Mouse	1 x Mini-DIN PS/2 keyboard and Mouse connector 1 x internal keyboard pin header
Universal Serial Bus	7 x USB 2.0 Ports 3 Internal 5x2-pin headers support up to 6 USB ports 1 x TYPE-A Connector onboard
IR Interface	Supports One IrDA header

### Packing List

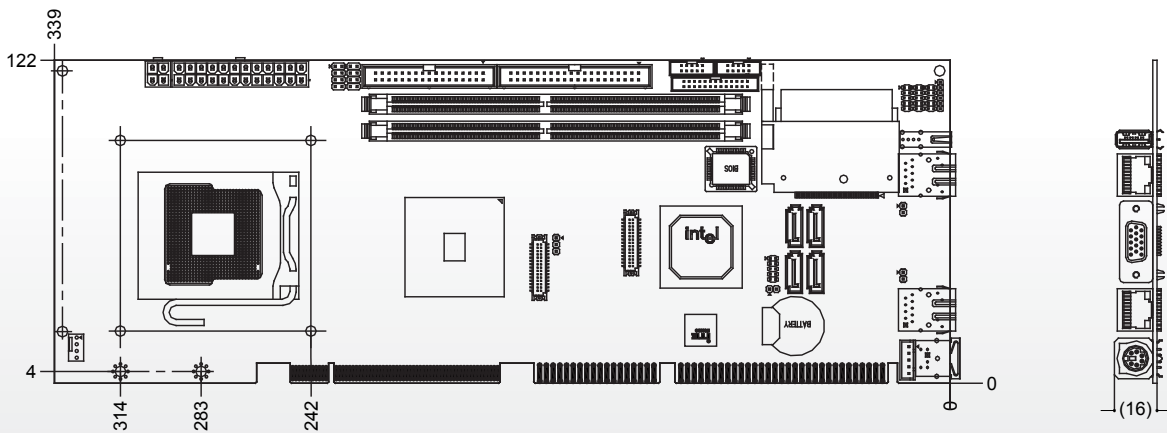
- Floppy Cable
- ATA-100 Cable
- USB Cable
- Keyboard Cable
- Serial + Parallel Cable
- ATX Cable
- Serial ATA Cable
- CPU Cooler Fan for LGA775 Pentium® 4
- Quick Installation Guide
- Utility CD
- FSB-868G

### Ordering Information

- **FSB-868G-A10-V**  
Full Size PICMG CPU Card, Socket 775 Pentium® 4, VGA, 7 USB, CF, Audio, 4 SATA, Rev. A1.0
- **FSB-868G-A10-VE**  
Full Size PICMG CPU Card, Socket 775 Pentium® 4, VGA, 10/100M LAN, 7 USB, CF, Audio, 4 SATA, Rev. A1.0
- **FSB-868G-A10-VG**  
Full Size PICMG CPU Card, Socket 775 Pentium® 4, VGA, 10/100/1000M LAN, 7 USB, CF, Audio, 4 SATA, Rev. A1.0
- **FSB-868G-A10-EG**  
Full Size PICMG CPU Card, Socket 775 Pentium® 4, VGA, 10/100M & 10/100/1000M LAN, 7 USB, CF, Audio, 4 SATA, Rev. A1.0
- **FSB-868G-A10-E2**  
Full Size PICMG CPU Card, Socket 775 Pentium® 4, VGA, 2 10/100M LAN, 7 USB, CF, Audio, 4 SATA, Rev. A1.0
- **FSB-868G-A10-G2**  
Full Size PICMG CPU Card, Socket 775 Pentium® 4, VGA, 2 10/100/1000M LAN, 7 USB, CF, Audio, 4 SATA, Rev. A1.0

Dimension

Unit: mm



Passive Backplane Options

P/N	Description	Master Interface	Slots	Power Connector, ATX Extend Function
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
BP-2145G-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
BP-2145G-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
BP-2145G-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
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
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
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
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
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

Optional Accessories

- **PER-C101**  
Dual PCI-E Giga LANs Card w/Broadcom BCM 5789/5751/5721
- **PER-C102**  
Dual PCI-E 10/100/1000 LANs Card w/Marvell 88B8036/53
- **PER-U00A**  
5.1 Channel Audio 4 USB Connectors
- **1703030501**  
Supports ATX Power from Backplane to CPU Card
- **1702030301**  
ATX Power Simulation AT Power Switch Wire
- **1701400800**  
P-ATA100 Cable 80cm
- **1701400802**  
P-ATA33 Cable 80cm
- **1709070780**  
Signal Cable 78cm
- **1702043000**  
ATX 12V Extension Cable
- **1701260307**  
1 Serial port + 1 Parallel port with Bracket
- **1701100305**  
1 Serial port with Bracket
- **1759202333**  
4U Chassis System FAN (12cm)
- **1759202332**  
AEC-204 Chassis System Fan (9.2cm)
- **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