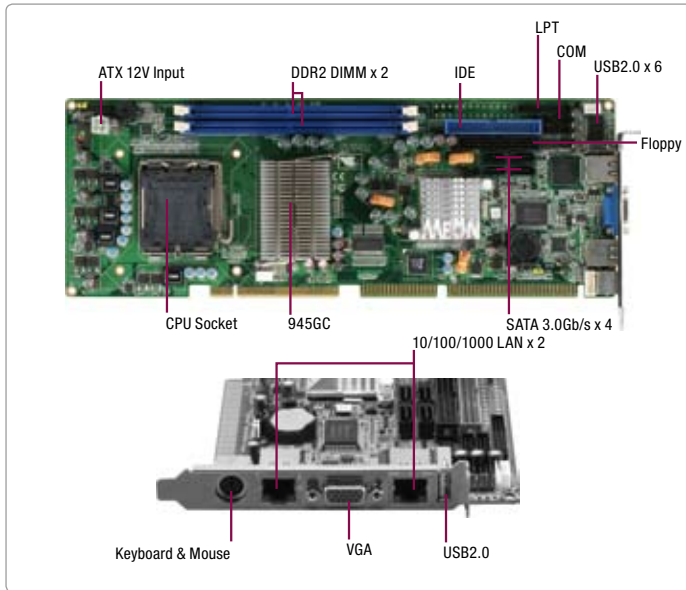


# FSB-945G

Full-Size SBC With Intel® Core™ 2 Duo LGA775 Processor

13

Full-Size SBCs (PICMG 1.0)



## Features

- Intel® Core™ 2 Duo/ Pentium® 4/ Celeron® D LGA775 Processor, FSB 533/800 MHz
- Intel® 945GC + Intel® ICH7
- DDR2 400/533/667 Memory Up To 4 GB
- Integrated Intel® Enhance Graphics Core, VGA Support
- 10/100/1000Base-TX Ethernet x 2
- Ultra ATA100 x 1, SATA 3.0Gb/s Port x 4
- USB2.0 x 7, COM x 2, Parallel x 1, IrDA Port x 1
- ATX 2.1
- PICMG 1.0

## Specifications

System	
Form Factor	PICMG1.0 Full-Size SBC
Processor	Intel® Core™ 2 Duo/ Pentium® 4 /Celeron® D LGA775 Processor , FSB 533/800 MHz
System Memory	240-pin 1.8V DDR2 DIMM Socket x 2 up to 4 GB, Support Dual-channel DDR2 memory (DDR2 400/533/667 MHz)
Chipset	Intel® 945GC + Intel® ICH7
Ethernet	10/100Base-TX & 10/100/1000Base-TX (optional), RJ-45 x 2 LAN1: Intel® 82562GZ/ 82573L (co-Lay) LAN2: Intel® 82574L
BIOS	Award Plug & Play SPI Flash – 8 Mb ROM
Expansion Interface	PICMG 1.0
Watchdog Timer	1~255 steps, can be set with software on Super I/O
H/W Status Monitoring	System temp. Voltage, and Cooling fan status monitoring
RTC	Internal RTC
Battery	Lithium Battery
Power Requirement	ATX2.1
Power Consumption	74W @ Intel® E4300, DDR2 667/2GB, ATX
Board Size (L x W)	13.3" x 5" (339mm x 126mm)
Gross Weight	1.2lb (0.5kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
MTBF (Hours)	60,000
Display	
VGA Controller	Integrated VGA on Intel® 945GC
Memory	Shared memory up to 256 MB
Resolution	Up to 2048 x 1536@32bpp for CRT
I/O	
Storage	IDE Slot x 1, SATA 3.0Gb/s x 4, Standard Floppy Port x 1
Serial Port	COM Port x 2: (Internal Pin Header x 2) COM1: RS-232 COM2: RS-232/422/485
Parallel	Supports SPP/EPP/ ECP mode
USB	USB2.0 x 7 (Internal 5x2-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)	AC97 Audio Codec, MIC-in/ Line-in/ Line-out/ CD-in
IrDA	Supports One IrDA header



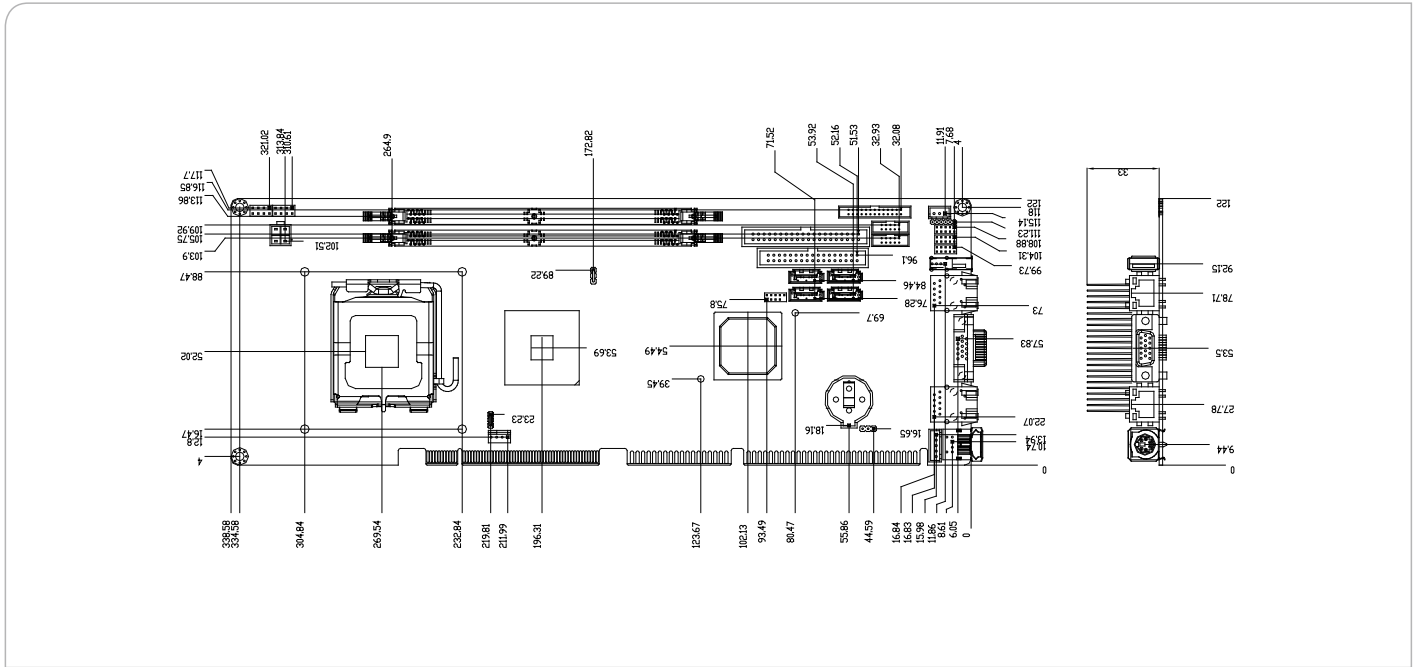
## Packing List

- **1709070800**  
SATA CABLE 80cm With Lock
- **1701340704**  
Flat Cable for FDD
- **1701400453**  
Blue ATA-100 Cable
- **1700060192**  
PS2/KB & Mouse
- **1701260307**  
Flat Cable, DB9P Male & DB25P Female, — Fold, 30cm, With Bracket
- **1701100305**  
Flat Cable, DB9P Male, 2.0mm Pitch 30cm, With Bracket
- **1703030501**  
Wire, 3P 2.5mm Housing, 3P 2.5mm Housing, 50cm
- **1709100201**  
USB Cable, 20cm P=2.0mm, With Bracket
- **Product CD**
- **FSB-945G**

# FSB-945G

## Dimension

Unit: mm



## Passive Backplane Options

P/N	Description	Master Interface	Slots	Power Connector, ATX Extend Function
TF-BP-214SG-P12	Rackmount, PICMG 1.0, 14-Slot Backplane, 12 PCI, 2 ISA, Single Segment, AT/ATX	PICMG 1.0	12/2/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-214SG-P7	Rackmount, PICMG 1.0, 14-Slot Backplane, 7 PCI, 6 ISA, Single Segment, AT/ATX	PICMG 1.0	7/6/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-214SG-P4	Rackmount, PICMG 1.0, 14-Slot Backplane, 4 PCI, 9 ISA, Single Segment, AT/ATX	PICMG 1.0	4/9/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-206VG-P2	Rackmount, PICMG 1.0, 6-Slot Backplane, 2 PCI, 3 ISA, Single Segment, AT/ATX	PICMG 1.0	2/3/1 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-208SG-P7	Wallmount, PICMG 1.0, 8-Slot Backplane, 7 PCI, Single Segment, AT/ATX	PICMG 1.0	7/0/1 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-208SG-P4	Wallmount, PICMG 1.0, 8-Slot Backplane, 4 PCI, 3 ISA, Single Segment, AT/ATX	PICMG 1.0	4/3/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-206SG-P4	Wallmount, PICMG 1.0, 6-Slot Backplane, 4 PCI, 2 ISA, Single Segment, AT/ATX	PICMG 1.0	4/2/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-206SG-P2	Wallmount, PICMG 1.0, 6-Slot Backplane, 2 PCI, 3 ISA, Single Segment, AT/ATX	PICMG 1.0	2/3/2 (PCI/ ISA/ PICMG)	AT, ATX, 3-pin ATX extend

## Ordering Information

Part Number	CPU	RAM	Fan/Fanless	Display	Storage	LVDS	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Temp.
TF-FSB-945G-A10-VE	Socket	DIMM	Fan	VGA	SATA2 x 4, IDE x 1, Floppy x 1	—	FE x 1	USB2.0 x 7	1	1	PICMG 1.0	ATX +12V	0°C ~ 60°C
TF-FSB-945G-A10-VG	Socket	DIMM	Fan	VGA	SATA2 x 4, IDE x 1, Floppy x 1	—	GbE x 1	USB2.0 x 7	1	1	PICMG 1.0	ATX +12V	0°C ~ 60°C
TF-FSB-945G-A10-G2	Socket	DIMM	Fan	VGA	SATA2 x 4, IDE x 1, Floppy x 1	—	GbE x 2	USB2.0 x 7	1	1	PICMG 1.0	ATX +12V	0°C ~ 60°C

## Optional Accessories

- **TF-PER-U00A**  
5.1 Channel Audio 4 USB Connectors
- **1703030501**  
ATX Power from Backplane to CPU Card
- **1702030301**  
ATX Power Simulation AT Power Switch Wire
- **1701400800**  
P-ATA100 Cable 80cm
- **1709070780**  
SATA Cable 78cm
- **1759200161**  
LGA775 CPU Fan
- **1702043000**  
ATX 12V Extension Cable
- **1701260307**  
1 Serial Port + 1 Parallel Port with Bracket
- **1701100305**  
1 Serial port with Bracket
- **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