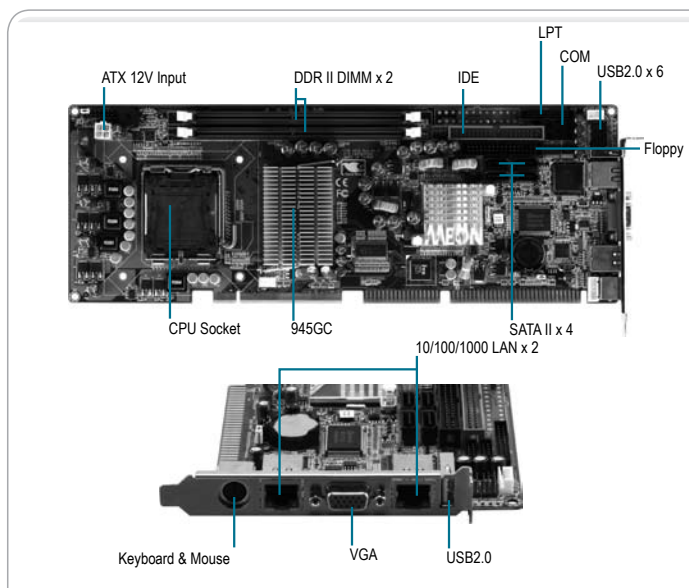


## ■ Full-Size SBC With Intel® Core™ 2 Duo LGA775 PICMG1.0



## Specifications

System	
Form Factor	PICMG1.0 Full-Size SBC
Processor	Intel® Core™ 2 Duo/ Pentium® 4 /Celeron® D LGA775 CPUs, FSB 533/800 MHz
System Memory	240-pin 1.8V DDR II DIMM Socket x 2 up to 4 GB, Support Dual-channel DDR II memory (DDR II 400/533/667 MHz)
Chipset	Intel® 945GC + Intel® ICH7
Ethernet	PCI Express [x1] 10/100Mb & 10/100/1000Mb LAN 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	ISA/PCI connector
Watchdog Timer	1~255 step, can be set with software on Super I/O
RTC	Internal RTC
Battery	Lithium Battery
Power Requirement	ATX2.1
Board Size (L x W)	13.3" x 5" (338.6mm x 126.4mm)
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, SATAII 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
Universal Serial Bus	USB2.0 x 7 Internal 5x2-pin header x 3, up to USB x 6 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

## Features

- Intel® Core™ 2 Duo/ Pentium® 4/ Celeron® D LGA775 CPUs, FSB 533/800 MHz
- Intel® 945GC + Intel® ICH7
- DDR2 400/533/667 Memory Up To 4 GB
- Integrated Intel® Enhance Graphics Core, VGA Support
- PCI-Express [x1] 10/100/1000Base-TX Ethernet x 2
- Ultra ATA100 x 1, SATA-II Port x 4
- USB2.0 x 7, COM x 2, Parallel x 1, IrDA Port x 1
- ISA, PCI, Expansions
- ATX 2.1



## Packing List

- **1709070800**  
SATA CABLE 80cm W/Lock
- **1701340704**  
Flat Cable for FDD
- **1701400453**  
Blue ATA-100 Cable
- **1700060192**  
PS2/KB&Mouse
- **1701260307**  
Flat Cable, DB9P MALE & DB25P FEMALE, NO FOLD, 30cm, W/BRACKET
- **1701100305**  
Flat Cable, DB9P MALE, 2.0mm Pitch30cm, W/BRACKET
- **1703030501**  
Wire, 3P 2.5mm Housing, 3P 2.5mm Housing, 50cm
- **1709100201**  
USB Cable, 20cm P=2.0mm, W/Bracket
- **Quick Installation Guide**
- **Utility CD**
- **FSB-945G**

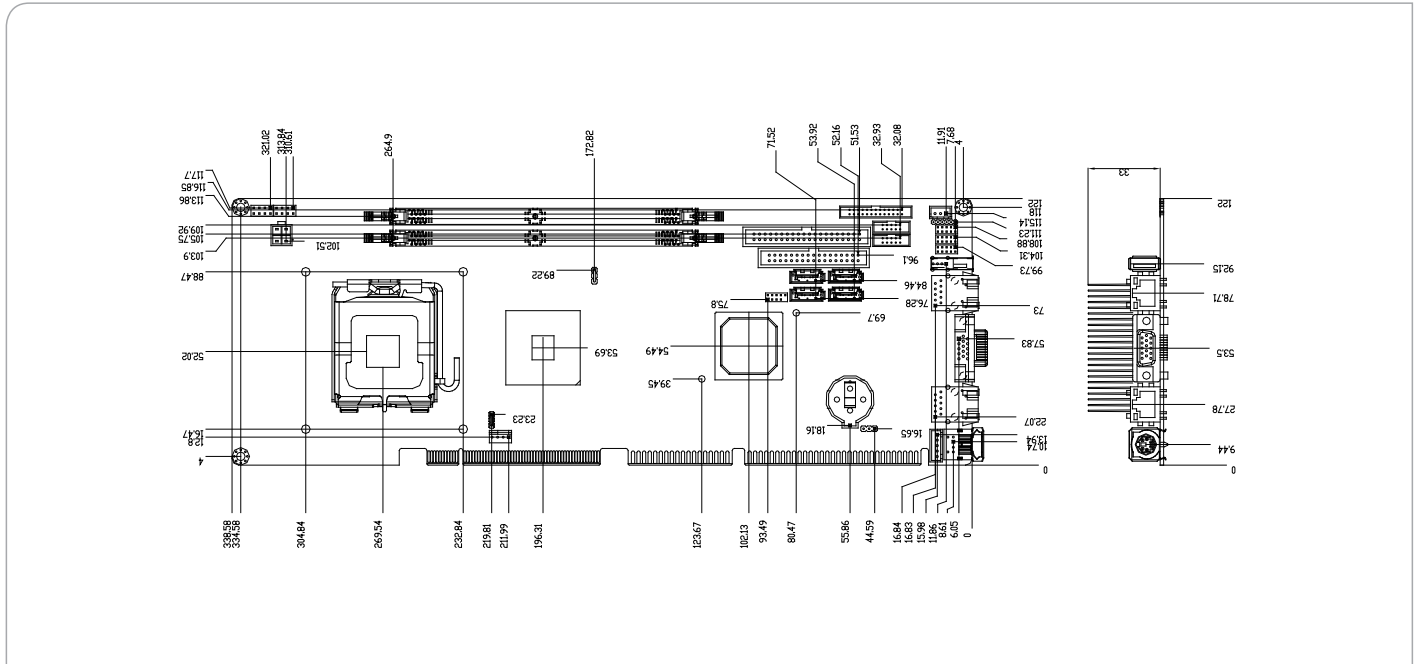
## Ordering Information

- **TF-FSB-945G -A10-VE**  
Full-Size PICMG1.0 CPU Card, LGA775 Core™ 2 Duo CPUs, VGA, 1 x 10/100 LAN, 7 USB, Audio, 4 SATA, Rev A1.0
- **TF-FSB-945G-A10-G2**  
Full-Size PICMG1.0 CPU Card, LGA775 Core™ 2 Duo CPUs, VGA, 2 x GbE LAN, 7 USB, Audio, 4 SATA, Rev A1.0

# FSB-945G

## Dimension

Unit: mm



## Passive Backplane Options

P/N	Description	Master Interface	Slots	Power Connector, ATX Extend Function
TF-BP-213RG-P4	Rackmount, PICMG, 13-slot R.PCI Backplane, 4 PCI/7 ISA, Single Segment, AT/ATX	PICMG	4/8/2 (PCI/ISA/PICMG)	AT, ATX, 3-pin ATX extend
TF-BP-214SG-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-214SG-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-214SG-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-208SG-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-208SG-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-P4	Rackmount, PICMG, 6-slot Backplane, 4 PCI/0 ISA, Single Segment, AT/ATX	PICMG	4/0/1 (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-206SG-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
TF-BP-206SG-P3	Wallmount, PICMG, 6-slot Backplane, 3 PCI, 3 ISA, Single Segment, ATX	PICMG	3/3/2 (PCI/ISA/PICMG)	ATX, 3-pin ATX extend

## Optional Accessories

- **TF-PER-C101**  
Dual PCI-E Gigabit Ethernet Card w/Broadcom BCM 5789/5751/5721
- **TF-PER-C102**  
Dual PCI-E Gigabit Ethernet Card w/Marvell® 88B8036/53
- **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
- **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