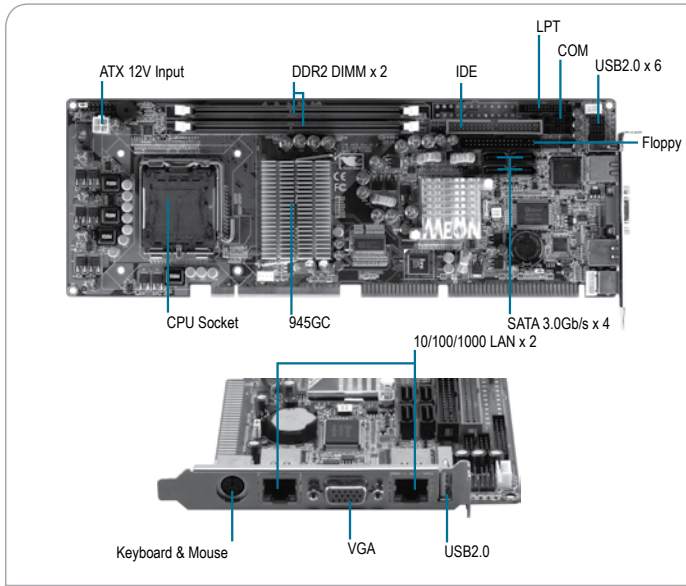


FSB-945G

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

05

Full-Size SBCs (PICMG 1.0)



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
- 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
- ISA, PCI, Expansions
- 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 CPUs, 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 | ISA/PCI connector |
| Watchdog Timer | 1~255 steps, 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" (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 |
| Universal Serial Bus | 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

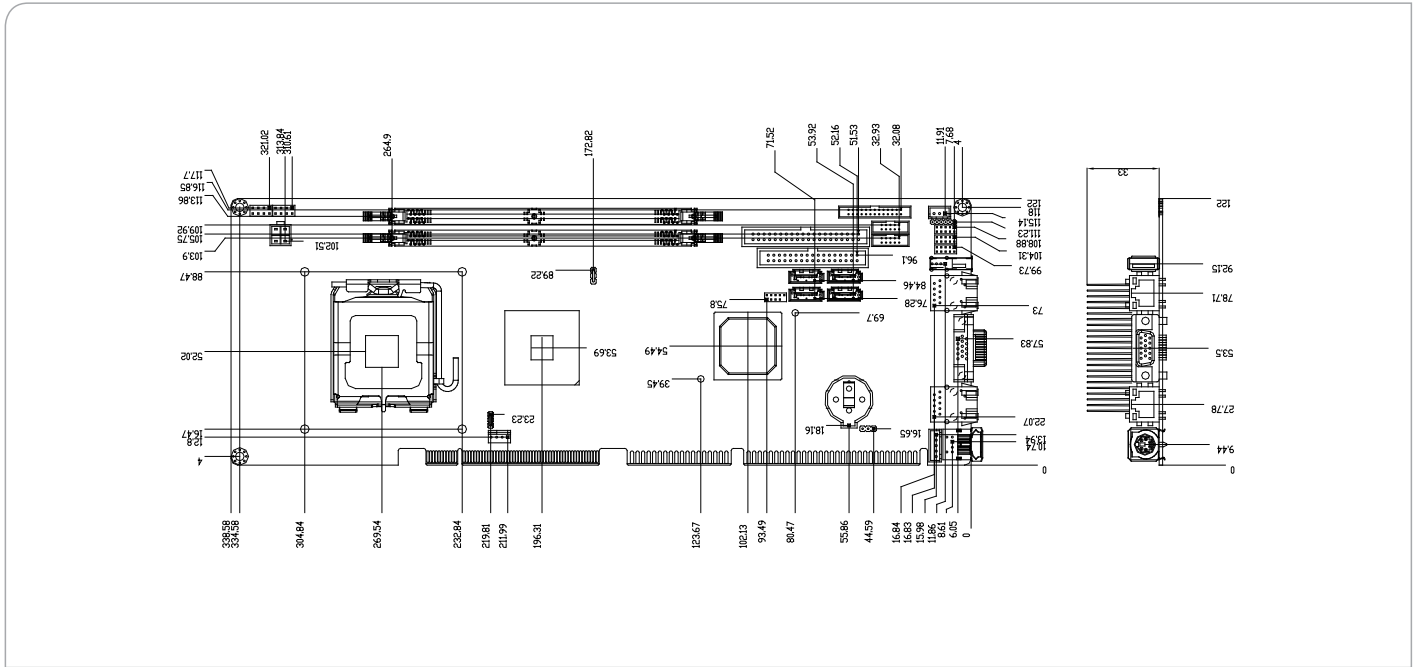
- **1709070800**
SATA CABLE 80cm W/Lock
- **1701340704**
Flat Cable for FDD
- **1701400453**
Blue ATA-100 Cable
- **1700060192**
PS2/KB&Mouse
- **1701260307**
Flat Cable, DB9P MALE & DB25P FEMALE, NO FOLD, 30cm, W/BACKET
- **1701100305**
Flat Cable, DB9P MALE, 2.0mm Pitch30cm, W/BACKET
- **1703030501**
Wire, 3P 2.5mm Housing, 3P 2.5mm Housing, 50cm
- **1709100201**
USB Cable, 20cm P=2.0mm, W/Bracket
- **Quick Installation Guide**
- **Product 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-VG**
Full-Size PICMG1.0 CPU Card, LGA775 Core™ 2 Duo CPUs, VGA, 1 x GbE 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

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/ 1 ISA, Single Segment, AT/ATX | PICMG | 4/8/2 (PCI/ ISA/ PICMG) | AT, ATX, 3-pin ATX extend |
| 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-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-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 |
| TF-BP-2065G-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