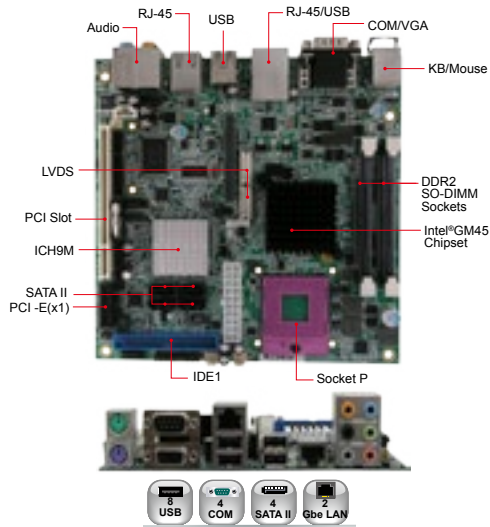


# MI945

Socket P Intel® Core™2 Duo Mini-ITX  
Motherboard w/ Intel® GM45 Chipset

Intel® Core™2 Duo-Based



## Features

- Supports Intel® Core™2 Duo processors 667/800/1066MHz FSB
- 2x DDR2 SO-DIMM, Max. 8GB
- Onboard dual Gigabit LAN
- Integrated VGA for CRT & LVDS
- 4x SATA II, 8x USB 2.0, 4x COM, 1x IDE, 1x CF
- 1x PCI, 1x PCI-E(x1), 1x Mini PCI-E

## Specifications

|                        |   |
|------------------------|---|
| CPU Socket             | Socket P for Intel® Core™2 Duo processors   |
| System Memory          | 2x DDR2 SO-DIMM, 667/800MHz, Max. 8GB   |
| System Chipset         | Intel® GM45 + ICH9M (MI945F) / ICH9ME (MI945RF/MI945AF), 667/800/1066MHz FSB                                |
| BIOS                   | Award (MI945F/MI945RF) / AMI (MI945AF)  |
| Watchdog Timer         | 256 levels  |
| SSD                    | CF socket (solder side)   |
| H/W Monitor            | Yes   |
| Expansion Slots        | 1x PCI, 1x PCI-E(x1), 1x Mini PCI-E   |
| VGA Controller         | Intel® GM45 integrated GMA 4500MHD  |
| VGA Memory             | Supports DVMT 5.0; Max. shared memory - 1GB   |
| Display Interface      | Supports CRT & 18-bit/24-bit dual channel LVDS, optional daughter card supports 2nd CRT and single/dual DVI |
| LAN Controller         | ICH9M integrated Intel® 82567LM Gigabit LAN<br>Intel® 82574L PCI-E Gigabit LAN for 2nd LAN                  |
| Connector              | RJ-45 on board  |
| I/O Chipset            | Winbond W83627DHG-P + Fintek 81216G<br>1x IDE, 1x KB, 1x mouse,<br>3x RS232, 1x RS-232/422/485, 4x SATA II  |
| USB                    | 4 ports on board<br>Pin header for 4 ports (USB 2.0)  |
| Audio                  | Intel® ICH9M built-in HD audio w/ Realtek ALC888 codec for 7.1CH  |
| Others                 | Digital I/O (4 in, 4 out)   |
| Dimensions             | 170mm x 170mm (6.7" x 6.7")   |
| Max. Power Requirement | Intel® Core™2 Duo T9400 2.53GHz<br>w/ 2GB DDR2-667<br>+12V: 2.01A, +5V: 0.45A, +3.3V: 0.82A                 |
| Operating Temperature  | 0°C~60°C (32°F~140°F)   |
| Storage Temperature    | -20°C~80°C (-4°F~176°F)   |
| Relative Humidity      | 10%~90% (non-condensing)  |

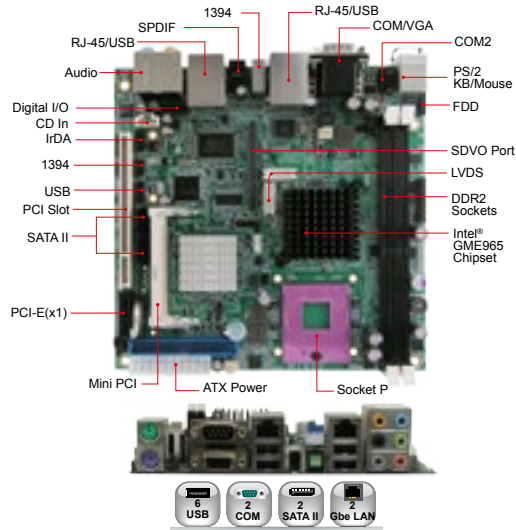
## Ordering Information

|         |  |
|---------|--|
| MI945F  | Socket P GM45 Mini-ITX motherboard with VGA and dual Gigabit LAN (ICH9M)               |
| MI945AF | Socket P GM45 Mini-ITX motherboard with VGA, dual Gigabit LAN, RAID, iAMT 4.0 (ICH9ME) |
| MI945RF | Socket P GM45 Mini-ITX motherboard with VGA, dual Gigabit LAN and RAID (ICH9ME)        |

# MI912

Socket P Intel® Core™2 Duo Mini-ITX Motherboard w/  
Intel® GME965 Chipset

Intel® Core™2 Duo-Based



## Features

- Supports Intel® Core™2 Duo / Celeron® processors, 533MHz/800MHz FSB
- 2x DDR2 DIMM, Max. 4GB
- Supports CRT, LVDS, optional DVI
- Onboard dual Gigabit LAN
- 2x SATA II, 6x USB 2.0, 2x COM, 1394
- Watchdog timer, Digital I/O
- 1x Mini PCI, 1x PCI, 1x PCI-E(x1)

## Specifications

|                        |  |
|------------------------|--|
| CPU                    | Socket P for Intel® Core™2 Duo / Celeron®  |
| System Memory          | 2x DDR2 DIMM, 533/667MHz, Max. 4GB   |
| System Chipset         | Intel® GME965 + ICH8M, 533MHz/800MHz FSB   |
| BIOS                   | Award  |
| Watchdog Timer         | 256 levels   |
| SSD                    | CF socket (solder side)  |
| H/W Monitor            | Yes  |
| Expansion Slots        | 1x PCI, 1x PCI-E(x1), 1x Mini PCI  |
| VGA Controller         | Intel® GME965 built-in Graphics Media Accelerator X3100 supports CRT and LVDS                    |
| VGA Memory             | Supports DVMT 4.0; Max. shared memory - 384MB  |
| Display Interface      | Supports CRT and 24-bit dual channel LVDS, optional DVI  |
| LAN Controller         | ICH8M integrated Intel® 82566DM Gigabit LAN and Intel® 82574L PCI-E Gigabit LAN                  |
| Connector              | RJ-45 on board   |
| I/O Chipset            | Winbond W83627EHG<br>1x IDE, 1x FDD, 1x KB, 1x mouse,<br>1x RS-232, 1x RS232/422/485, 2x SATA II |
| USB                    | 4 ports on board, 2 ports via pin header   |
| Audio                  | Intel® ICH8M built-in Intel® HD audio w/ Realtek ALC888 codec for 7.1CH                          |
| Others                 | IrDA, 1394, Digital I/O (4-in/4-out), EuP/ErP compliant  |
| Dimensions             | 170mm x 170mm (6.7" x 6.7")  |
| Max. Power Requirement | Intel® Core™2 Duo 2.6GHz<br>w/ 2x 2GB DDR2-800<br>+5V: 4.15A<br>+12V: 2.43A<br>+3.3V: 1.06A      |
| Operating Temperature  | 0°C~60°C (32°F~140°F)  |
| Storage Temperature    | -20°C~80°C (-4°F~176°F)  |
| Relative Humidity      | 10%~90% (non-condensing)   |

## Ordering Information

|         |   |
|---------|---|
| MI912EF | Socket P GME965 Mini-ITX M/B with VGA, Gigabit and PCI-E Gigabit LAN, EuP/ErP compliant |
|---------|---|