



Motherboards

Intel® Core™2 Duo-Based

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

- 1 Motherboards
- 2 Disk-Size SBcs
- 3 CPU Modules
- 4 PC/I/Os Plus
- 5 CPU Card
- 6 Embedded Systems
- 7 Network Security Appliance

MI945X

Features

- Supports Intel® Core™2 Duo processors
667/800/1066MHz FSB
- 2x DDR3 SO-DIMM, Max. 4GB
- Onboard dual Gigabit LAN
- Integrated VGA for CRT & LVDS
- 4x SATA II, 8x USB 2.0, 4x COM, 1x IDE, 1x CF
- 1x PCI-E(x16), 1x Mini PCI-E

System

CPU Socket	Socket P for Intel® Core™2 Duo processors
System Memory	2x DDR3 SO-DIMM, 800/1066MHz, Max. 4GB
System Chipset	Intel® GM45 + ICH9M, 667/800/1066MHz FSB
BIOS	Award
Watchdog Timer	256 levels
SSD	CF socket (solder side)
H/W Monitor	Yes
Expansion Slots	1x PCI-E(x16), 1x Mini PCI-E

Mechanical and Environmental

Dimensions	170mm x 170mm (6.7" x 6.7")
Max. Power Requirement	Intel® Core™2 Duo T9400 2.53GHz w/ 1GB DDR3-1066 +12V: 2.12A +5V: 2.97A
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)

Graphics

VGA Controller	Intel® GM45 integrated GMA 4500MHD
VGA Memory	Supports DVMT 5.0; Max. shared memory - 256MB
Display Interface	Supports DirectX 10 for CRT & 18-bit/24-bit dual channel LVDS

Ethernet

Controller	ICH9M integrated Intel® 82567LM Gigabit LAN Intel® 82574L PCI-E Gigabit LAN for 2nd LAN
Connector	RJ-45 on board

Multi I/O

Chipset	Winbond W83627DHG-P + Fintek 81216G 1x IDE, 1x KB, 1x mouse, 3x RS232, 1x RS-232/422/485, 4x SATA II
USB	4 ports on board 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)

Ordering Information

MI945X	Socket P GM45 Mini-ITX motherboard with VGA and dual Gigabit LAN
MI945XR	Socket P GM45 Mini-ITX motherboard with VGA, dual Gigabit LAN and RAID (ICH9ME)



Remarks:

1. For optional daughter boards and riser cards, please refer to page 19-20.
2. Specifications are subject to change without prior notice.

