



## MSI IM-GM45 Mini-ITX Board

### Features

- \* Intel Core2Duo, Core2Quad, Penryn CPU
- Intel GM45 and ICH9M-E Chipset
- Two SO-DIMM up to 4 GB
- Dual Display VGA / DVI / HDMI / LVDS
- Trusted Platform Module (TPM )
- Support iAMT
- Dual GB LAN
- SATA Raid Support
- RS/232 , RS/422 , USB
- PCI, PCIe & Mini-PCIe Slot

### Spec

#### CPU

Intel Core2Extreme, Core2Quad,  
Core2Duo, Celeron M (Penryn)

#### Core Logic

Intel 45 GM with Intel Trusted Platform Module TPM  
& IAM Intel Active Management Techn. 4.0

**Chipset** ICH9ME

**BIOS** Award Bios

**Front Side Bus** 667//800 MHz

#### Memory

2 x 2GB Dual Channel DDR2 667/800 SO-DIMM  
up to 4 GB

#### Graphics

Intel GMA 4500MHD  
Support multiple video output, HDMI, DVI-I  
with dual independant Displays

#### Video

Support MPEG-2, MPEG-4, WMV9 and H.264

**LAN** Intel GB LAN x 2

**OnBoard SATA** 2.0 x 4  
**Supports OnBoard SATA Raid 0/1**

#### Multi I/O

1 x RS-232/422 on Rear Panel  
4 x RS/232 by Pin Header

#### Keyboard Mouse Connector

Staked Connector for Keyboard & Mouse

**USB** 6 x USB ports

#### Audio on Rear Panel

5.1 Channel HD Audio

#### Expansion

1 onBoard PCI-Slot , Mini-PCIe x 1

#### Environmental

Operating Temperature : 0 .. .60 ° C (opt. -20...75 ° C )  
Storage : -25 ...85 ° C  
Rel. Humidity : 10% .. 90 % (non-Condensing)

#### Power

**ATX Power** 30 W

**Approval**  
CE, FCC

**Formfactor**  
Mini-ITX

**Dimensions**  
170x170 mm

