

### Features

- Intel® Socket P Supports 45nm Core™ 2 Quad, Core™ 2 Duo, Celeron® Mobile Processors
- Intel® GM45/ICH9ME Chipset
- Up to 4 GB Dual Channel DDR2 667/800 MHz SO-DIMM System Memory
- Intel® GMA 4500MHD, Support DirectX 10, Shader-Model 4.0 and Intel® Clear Video technology
- Dual Display: HDMI, DVI-D, LVDS, VGA
- Dual Gigabit LAN, HD Audio, Amplifier
- 1 PCI, 1 PCIe x1, 1 Mini PCIe, Compact Flash
- 4 SATA, RAID 0/1, 5 COM, 8 USB, 16-bit GPIO
- TPM 1.2, Intel® TXT and iAMT 4.0 are supported
- Mini ITX (6.7" x 6.7")
- DC Power

### Specification

#### System

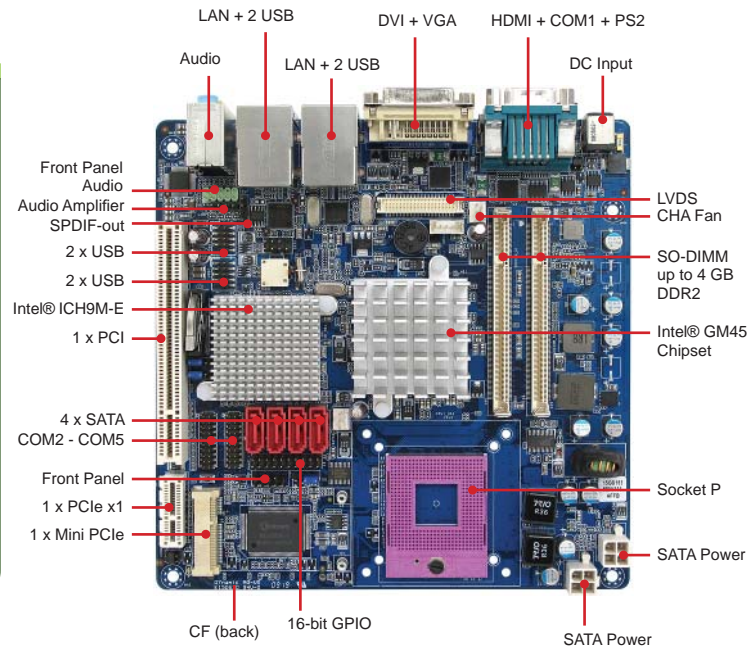
CPU	Socket P supports Intel® Core™ 2 Extreme/ Core™ 2 Quad/ Core™ 2 Duo/ Celeron® M processors	
FSB	667/800/1066 MHz	
Chipsets	Intel® GM45 + Intel® ICH9M-E	
System Memory	Two SO-DIMM sockets support up to 4 GB DDR2 667/800 MHz	
BIOS	AMI BIOS with 32Mb SPI ROM	
Expansion Interface	1 x PCI Slot	1 x PCI Express x1 socket
	1 x Compact Flash	1 x Mini PCI Express socket
TPM	TPM 1.2	
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step	
H/W Status Monitor	Monitoring CPU temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats	

#### Display

Chipset	Intel® GM45 integrated Graphics Media Accelerator 4500MHD
Display Memory	Intel® DVMT 5.0 supports up to 256 MB video memory
Max. Resolution	2048 x 1536 @ 75 MHz
Dual View	VGA+HDMI or LVDS+HDMI or VGA+DVI or LVDS+DVI or HDMI+DVI or VGA+LVDS

#### I/O

MIO	PS/2, 2 x SATA Power, Front Panel, CHA Fan, CPU Fan
USB	4 x USB (Rear I/O), 2 USB pin headers for additional 4 USB
COM	5 x RS-232 for COM1 - COM5
SATA	4 x SATA
HDMI	1 x HDMI
DVI	1 x DVI
LVDS	1 x 18/24-bit Dual Channel LVDS
VGA	1 x VGA
GPIO	1 x 16-bit GPIO
DC Input	1 x DC Input



#### Audio

AC'97 Codec	Realtek® ALC888 8 Channel HD Audio
Audio Interface	Line-out, Line-in, Mic-in, SPDIF-out
Audio Amplifier	6 Watt Amplifier

#### Ethernet

LAN 1	Intel® 82567LM (1000Base-T Fast Ethernet)
LAN 2	Intel® 82574L (1000Base-T Fast Ethernet)

#### Mechanical and Environment

Power Type	19V DC
Operating Temperature	0~60°C
Storage Temperature	-20°C to 70°C
Form Factor	Mini ITX
Dimensions	6.7" (L) x 6.7" (W)
Weight	0.88 lbs



### Ordering Information

#### MX45GM

Intel GM45 Chipset, HDMI, DVI, LVDS, VGA, 1 PCI, 1 PCIe x1, 1 Mini PCIe x1, CF, 4 SATA, 8 USB, 5 COM, Dual Gbit LAN, GPIO, TPM 1.2, iAMT, DC Input

\* All product specifications are subject to change without notice. Last update: 06/01/2010