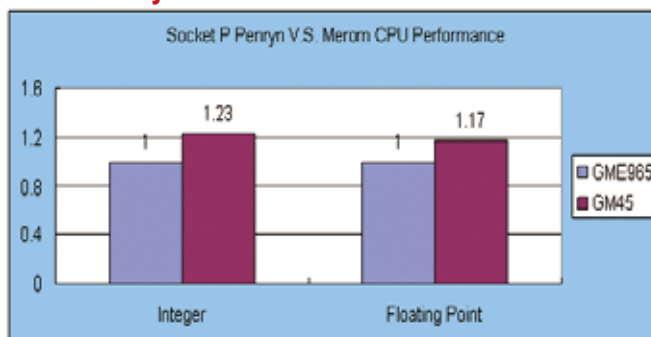


# ICE-GM45A

COM Express Basic Type 2 Module, Intel® 45nm Core™ Duo Processor, VGA/LVDS, GbE, SATAII, USB and Audio



## 45nm Penryn VS 65nm Merom Performance



- Intel® Core™ 2 Duo T7500 (2.2 GHz, 800 MHz FSB) w/ GME965 Chipset and 667 MHz DDR2
- Intel® Core™ 2 Duo processor (Penryn) (2.53 GHz, 1066MHz FSB) w/ GM45 Chipset and 667 MHz DDR2

## Specifications

- ◆ CPU
  - Socket P Intel® Core™ Duo Processor with 1066/800 MHz FSB
  - Socket P Intel® Celeron® M Processor with 667 MHz FSB
- ◆ System Chipset
  - Intel® GM45 / ICH9-M
- ◆ BIOS
  - AMI BIOS
- ◆ System Memory
  - Two 200-pin 800/667MHz DDR2 SO-DIMM support up to 4 GB
- ◆ Ethernet
  - One Intel® 82574L PCIe GbE chipset
- ◆ I/O Interface
  - 8 x USB 2.0 (to Base Board)
  - 4 x SATAII (to Base Board)
- ◆ Audio
  - HD audio signal to base board (audio codec on base board)
- ◆ Expansions
  - 1 x PCIe x16 or 2 x SDVO signal to base board
  - 5 x PCIe x1 signal to Base Board
  - 4 x PCI , 32 bit / 33 MHz PCI bus to base board
- ◆ Display Interface
  - VGA/HDTV Integrated in Intel® GM45 signal (to base board)
  - 18/24-bit Dual channel LVDS signal (to base board)
- ◆ Watchdog Timer
  - Software programmable supports 1 ~255 sec. system reset (Depend on super I/O of base board)
- ◆ Power Supply
  - AT / ATX supported
- ◆ Power Consumption
  - 12V@2.574A (Intel® Core™2 Duo Processor P8600 2.4 GHz with 1 GB DDR2)
- ◆ Temperature
  - Operation: 0°C~ 60°C (32°F ~ 140°F)
- ◆ Humidity
  - Operation: 5% ~95 non-condensing
- ◆ Dimensions
  - 125 mm x 95 mm
- ◆ Weight
  - GW: 700g / NW 250g

FSB1066

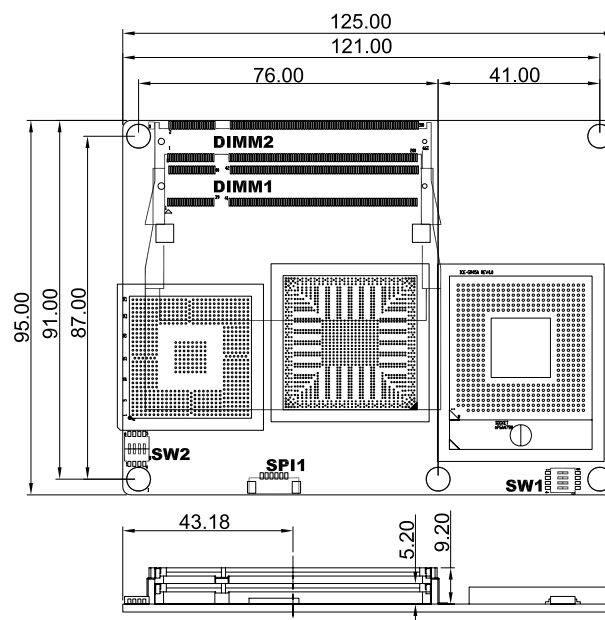
DDR2  
800



## Features

- Intel® 45nm mobile Core™ 2 Duo Processor (Penryn) supported
- High performance MPEG-2 decoding, WMV9 (VC-1) and H.264 (AVC) supported
- DDR2 800/667MHz dual channel SD RAM supported up to 4 GB
- 18/24-bit dual channel LVDS, analog CRT, HDTV supported

## Dimensions (mm)



## Packing List

- 1 x ICE-GM45A single board computer
- 1 x Heatspreader for peryn CPU (45nm)
- 1 x Cooler
- 1 x Utility CD
- 1 x QIG (Quick Installation Guide)

## Ordering Information

Part No.	Description
ICE-GM45A-R10	COM express basic type 2 Module, Intel® 45nm Core™ Duo Processor, VGA/LVDS, GbE, SATAII, USB and audio
ICE-DB-9S-R10	Base board for COM express Type 2 module
34000-000256-RS	Heatspreader for socket P merom CPU (65nm)