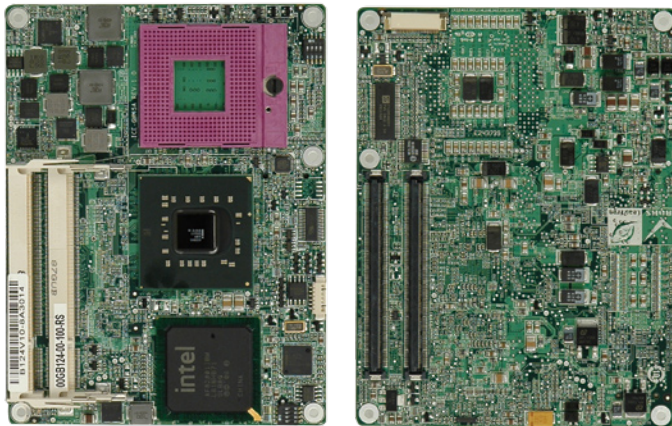


ICE-GM45A

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



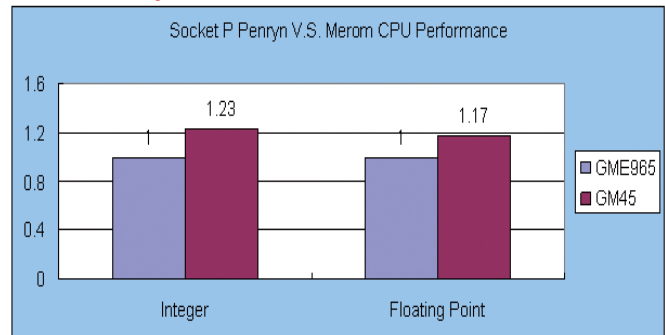
Specifications

- ◆ 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

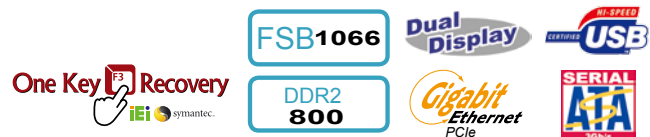
Packing List

- 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)

45nm Penryn VS 65nm Merom Performance



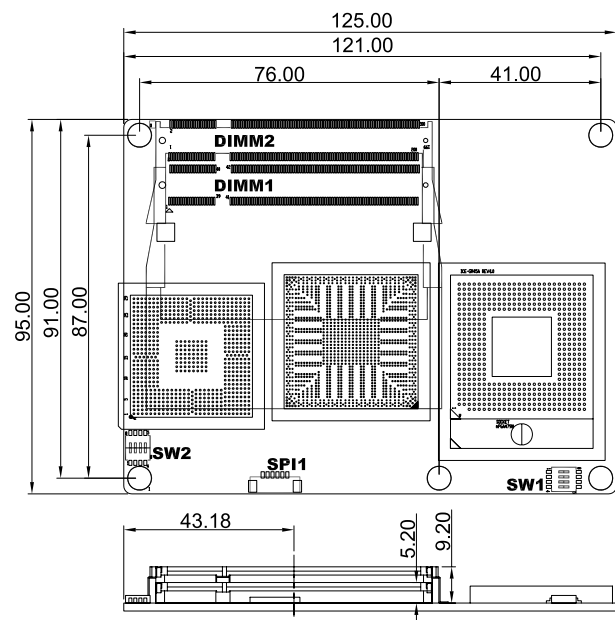
- Intel® Core™ 2 Duo T7500 (2.2 GHz, 800 MHz FSB) w/ GME965 Chipset and 667 MHz DDR2
- Intel® Core™ 2 Duo processor (Penryn) (2.53 GHz, 1066MHz FSB) w/ GM45 Chipset and 667 MHz DDR2



Features

1. Intel® 45nm mobile Core™ 2 Duo Processor(Penryn) supported
2. High performance MPEG-2 decoding, WMV9 (VC-1) and H.264 (AVC) supported
3. DDR2 800/667MHz dual channel SD RAM supported up to 4 GB
4. 18/24-bit dual channel LVDS, analog CRT, HDTV supported
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Dimensions (mm)



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)

1

Industrial Computing Solutions

2

Embedded Computing Solutions

3

Industrial Data Collector and Controller

4

Video Capture Solutions

5

I/O Communication Solutions

6

Panel Solutions

7

ORing Network Communication

8

Power Supply/Peripherals