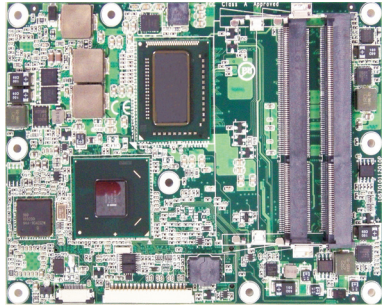


# EmETXe-i67M1/i65M1

## 2<sup>nd</sup> Generation Intel® Core™ i7/ Celeron® Processor COM Express® Basic Type 2 CPU Module



### Features

- Soldered onboard 2<sup>nd</sup> Generation Intel® Core™ i7-i2610UE/ Celeron® 827E
- Integrated Gigabit Ethernet
- Dual Channels 24-bit LVDS, Analog RGB, and DDI Port
- Dual Independent Displays supported
- RAID 0, 1, 5, 10 supported (for EmETXe-i67M1-2610UE only)
- **Extended Operating Temp.: -20 ~ 70°C**

### System

Processor	Soldered onboard 2 <sup>nd</sup> Generation Intel® Core™ Processor i7-2610UE 1.5GHz or Celeron® Processor 827E 1.4GHz
Chipset	Intel® PCH QM67 for COM-873E-2610UE Intel® PCH HM65 for COM-873E-827E
Memory	2 x DDR3 SO-DIMM sockets, supporting up to 16GB 1066MT/s SDRAM
BIOS	AMI BIOS
Watchdog Timer	1~255 levels reset

### I/O

USB 2.0	8 x USB 2.0 ports
Expansion	5 x PClex1, 1 x PClex16, LPC, 4 x PCI
Storage	2 x Serial ATA ports with 300MB/s HDD transfer rate 2 x Serial ATA ports with 600MB/s HDD transfer rate
Ethernet Chipset	1 x Intel® 82583V PCIe GbE controller
Digital I/O	8-bit Programmable
Audio	HD link

### Display

Graphic Chipset	Integrated Intel® HD Graphics 3000
Graphic Interface	Analog RGB/DVI: Analog RGB, with resolution up to 2048x1536 LCD: Dual Channels 24-bit LVDS, with resolution up to 1920x1600 1 x DDI port (OEM request)

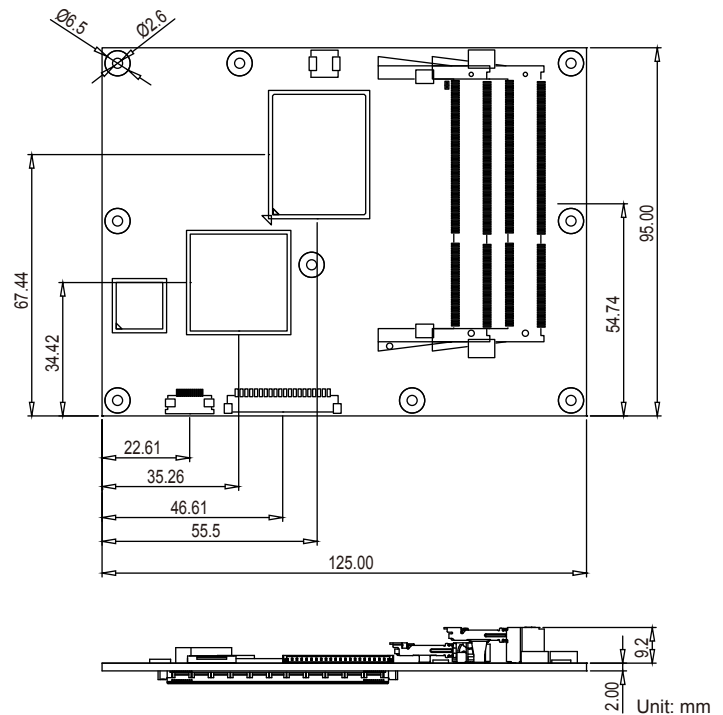
### OS Support

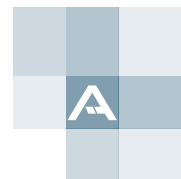
Windows XP 32-bit/64-bit  
Windows 7 32-bit/64-bit  
Linux: Ubuntu

### Mechanical & Environmental

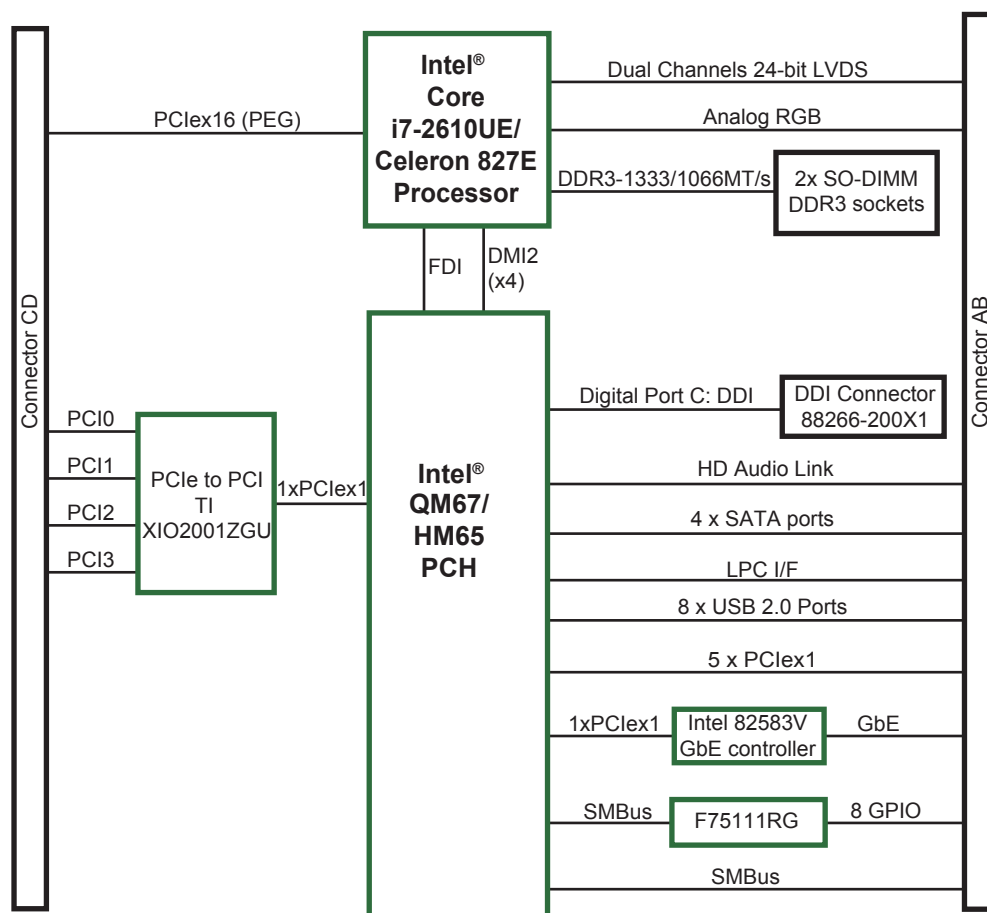
Power Requirement	DC 12V, 5VSB
Power Consumption	2.11A@12V with i7-2610UE (Typical, with PBE-1700)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimension (L x W)	125 x 95 mm (4.9" x 3.7")

### Dimensions





## Block Diagram



## Ordering Information

EmETXe-i67M1-2610UE	2 <sup>nd</sup> Generation Intel® Core™ i7-2610UE/ QM67 COM Express® Basic Type 2 CPU module
EmETXe-i65M1-827E	Intel® Celeron® 827E/ HM65 COM Express® Basic Type 2 CPU module

## Optional Accessories

HS-67M1-F2	Heat spreader 125x95x11mm
HS-0000-W4	Universal evaluation heat sink kit with thermal pad 125x95x22mm, only used on a flat-type heat spreader
FCDB-1424	DisplayPort daughter board
PBE-1700-W R1.3	COM Express® Type 2 evaluation carrier board with Super IO W83627 in ATX form factor
CBK-04-1700-00	Cable Kit 1 x SATA cable 1 x Serial port cable 1 x FDD cable 1 x IDE cable