

EmETXe-i67M2/ i65M2



Intel® Core™ i7/ Celeron® COM Express Basic Type 6 CPU Module



Features

- Soldered onboard Intel® Core™ i7/ Celeron® Processor
- Integrated Gigabit Ethernet
- Dual Channels 24-bit LVDS, Analog RGB, and 3 x DDI ports
- Support Dual Independent Displays
- RAID 0, 1, 5, 10 Supported (EmETXe-i67M2 only)
- **Extended Operating Temp.: -20 ~ 70°C**

System

CPU	Soldered onboard Intel® Core™ i7-2610UE 1.5GHz or Celeron® 827E 1.4GHz Processor
Memory	2 x DDR3 SO-DIMM sockets, supporting up to 8GB SDRAM
Chipset	Intel® PCH QM67 for EmETXe-i67M2-2610UE Intel® PCH HM65 for EmETXe-i65M2-827E
BIOS	AMI PnP Flash UEFI BIOS
Watchdog Timer	1~255 levels reset

I/O

USB Port	8 x USB 2.0 ports
Digital I/O	8-bit programmable Digital Input/Output
Expansion Bus	1 x PCIe16 lanes 7 x PCIe1 lanes SPI, and LPC (Low Pin Count) interface
Storage	4 x Serial ATA ports: 2 ports with 600MB/s HDD transfer rate 2 ports with 300MB/s HDD transfer rate
Ethernet Chipset	1 x Intel 82579LM PCIe Gigabit Ethernet PHY
Audio	HD Audio link

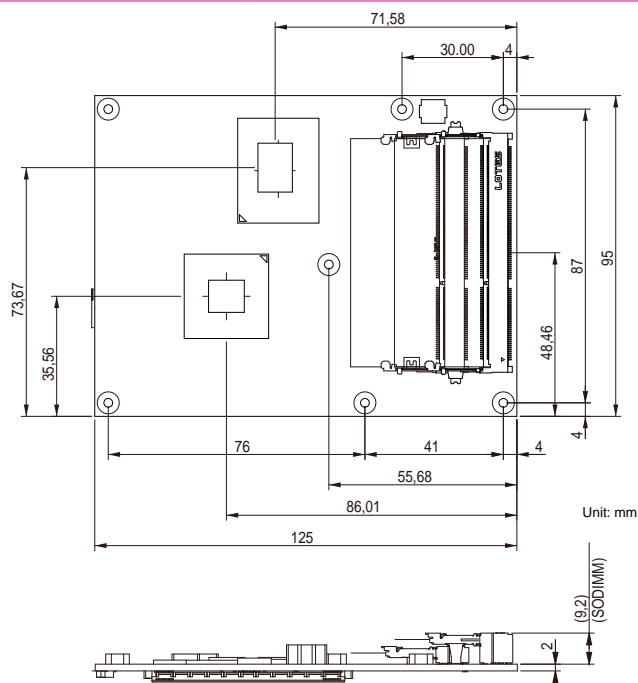
Display

Graphics Chipset	Integrated Intel® HD Graphics 3000
Graphics Interface	Analog RGB supports up to 2048 x 1536 @60Hz LCD: Dual Channels 24-bit LVDS Support DDI ports, resolution up to 2536 x 1600 Support dual independent displays

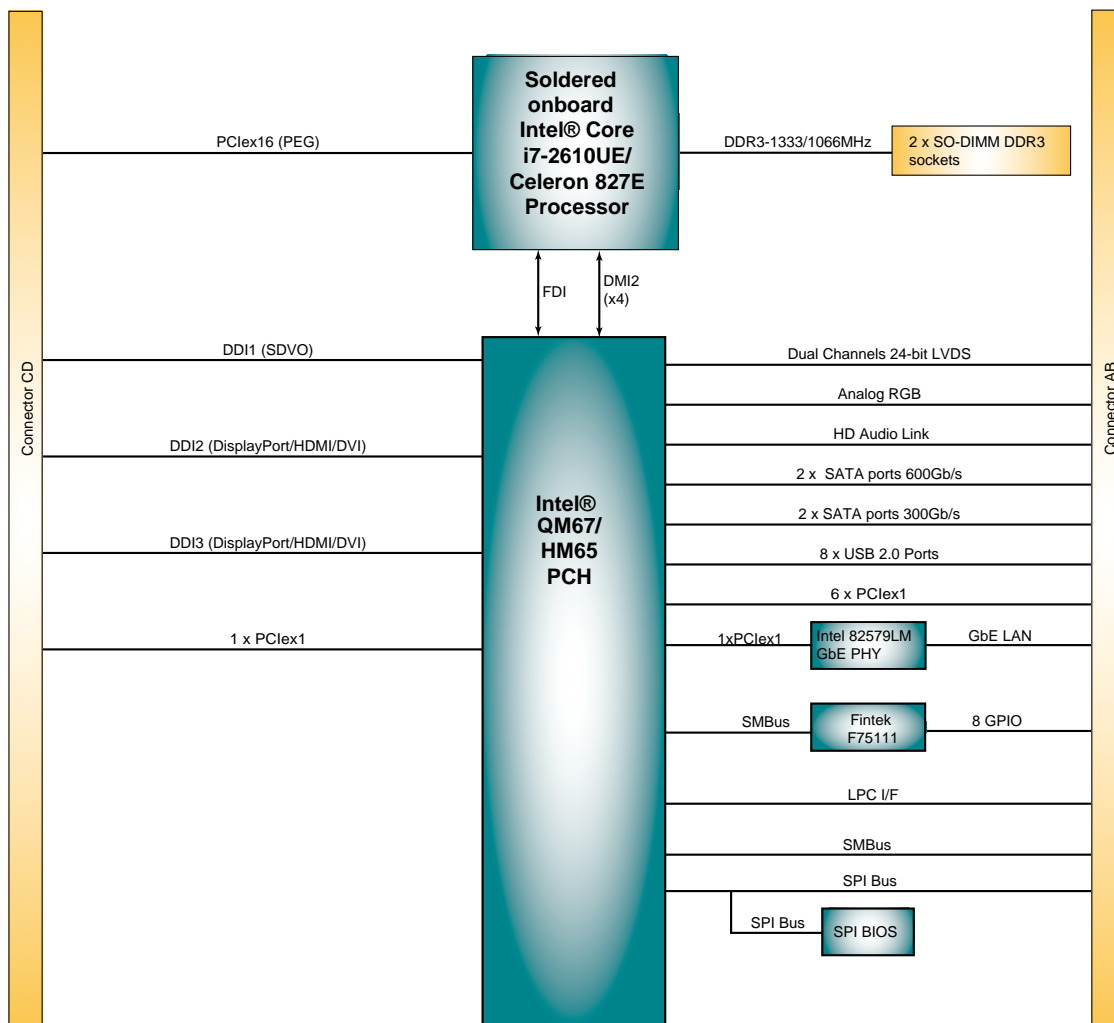
Mechanical & Environmental

Power Requirement	+12V, 5VSB
Power Consumption	2.12A@+12V with i7-2610UE (Typical)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	0 ~ 90% (non-condensing)
Dimension (L x W)	125 x 95 mm (4.9" x 3.7")

Dimensions



Block Diagram



Ordering Information

EmETXe-i67M2-2610UE	Intel® Core™ i7-2610UE/ QM67 COM express CPU module
EmETXe-i65M2-827E	Intel® Celeron® 827E/ HM65 COM express CPU module
HS-65M2-F1	Heat spreader (125x95x18mm)
HS-65M2-W1	Wave type heatsink (125x95x31.7mm)
HS-65M2-C1	Wave type heatsink with fan (125x95x18mm)
PBE-1702	COM Express type 6 evaluation carrier board (ATX form factor)
CBK-04-1702-00	Cable Kit 1 x SATA cable 2 x COM port cables 1 x USB cable

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