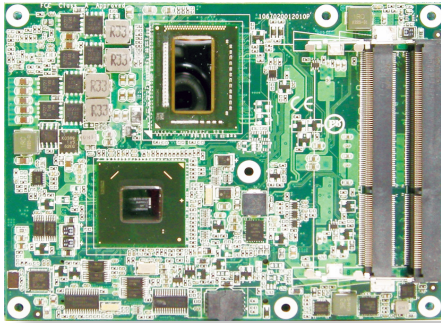


COM-870E



Wide-Range Temperature Intel® Celeron® Processor 827E COM Express® Basic Type 6 CPU Module



Features

- Soldered onboard Intel® Celeron® Processor 827E
- Integrated Gigabit Ethernet
- Dual Channels 24-bit LVDS, Analog RGB and 3 x DDI Ports
- Dual Independent Displays supported
- Intel® Active Management Technology (Intel® AMT) supported
- **Wide-Range Operating Temp.: -40 ~ 85°C**

System

CPU	Soldered onboard Intel® Celeron® Processor 827E 1.4GHz
Memory	2 x DDR3 SO-DIMM sockets, supporting SDRAM up to 16GB
Chipset	Intel® PCH HM65
BIOS	AMI 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 PCIe x16 lanes
	7 x PCIe x1 lanes
Storage	SPI and LPC (Low Pin Count) interfaces
	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 GbE PHY
Audio	HD Audio link

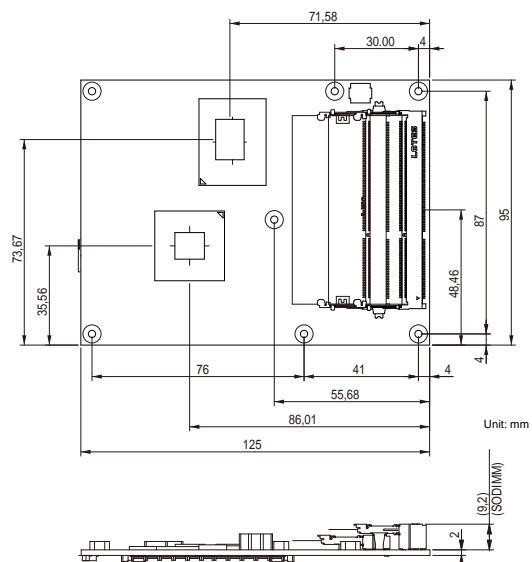
Display

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

Mechanical & Environmental

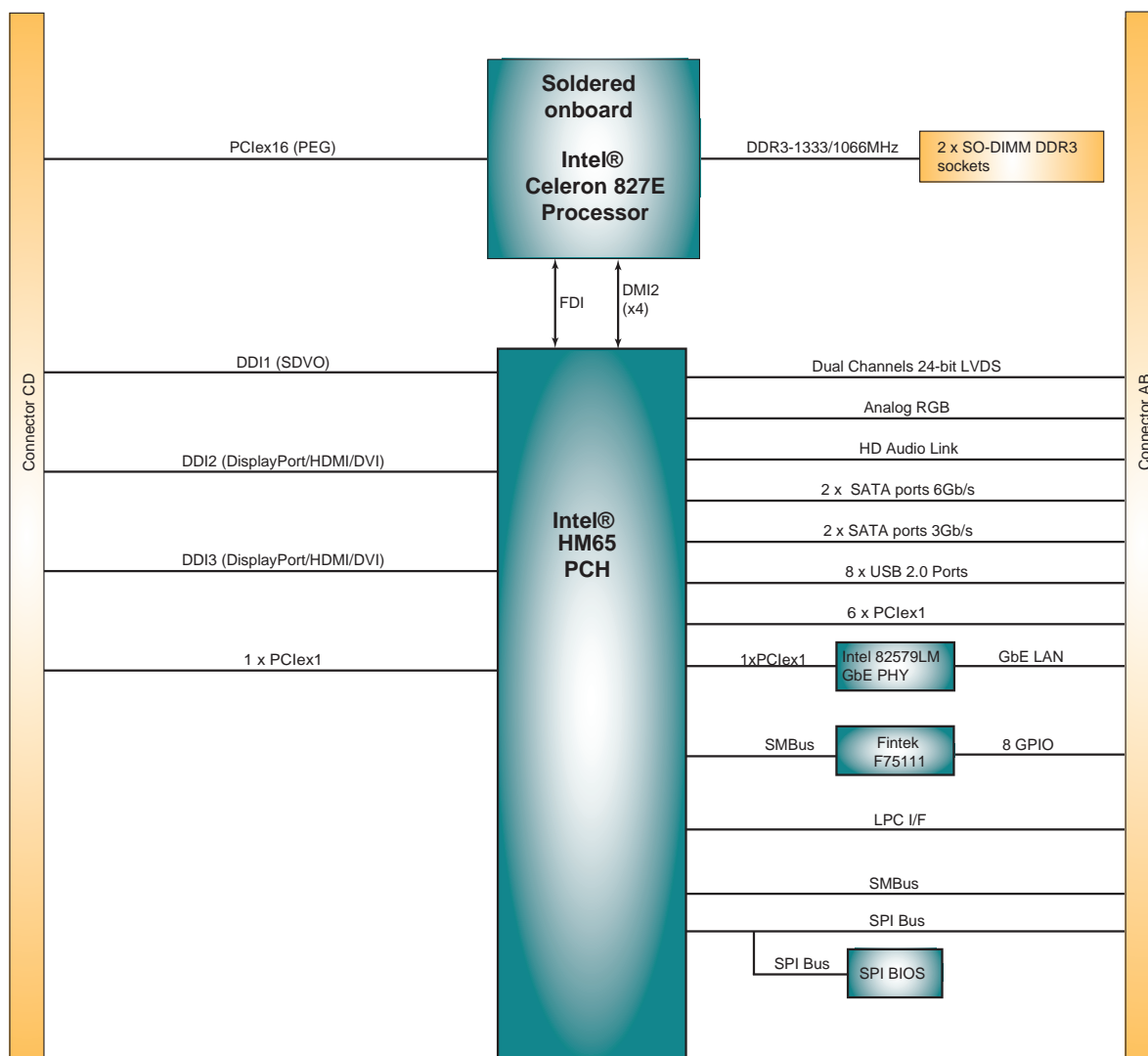
Power Requirement	+12V, 5VSB
Power Consumption	2.12A@+12V with Celeron® 827E (Typical)
Operating Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 85°C (non-condensing)
Dimension (L x W)	125 x 95 mm (4.9" x 3.7")

Dimensions





Block Diagram



Ordering Information

COM-870E Intel® Celeron® Processor 827E/ HM65 WT COM Express® CPU module

Optional Accessories

HS-65M2-F1 Heat spreader (125x95x18mm)

HS-0000-W4 Universal evaluation heatsink kit with thermal pad (dimension: 125x95x22mm, only used on a flat type heat spreader)

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