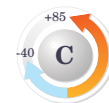
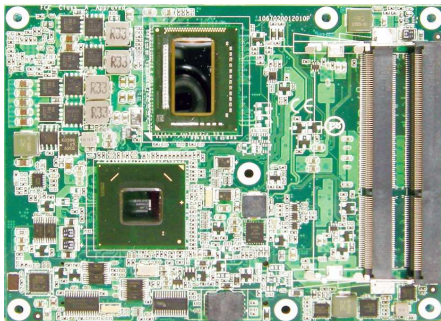


COM-870E


COM
Express

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 SPI and LPC (Low Pin Count) interfaces
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 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

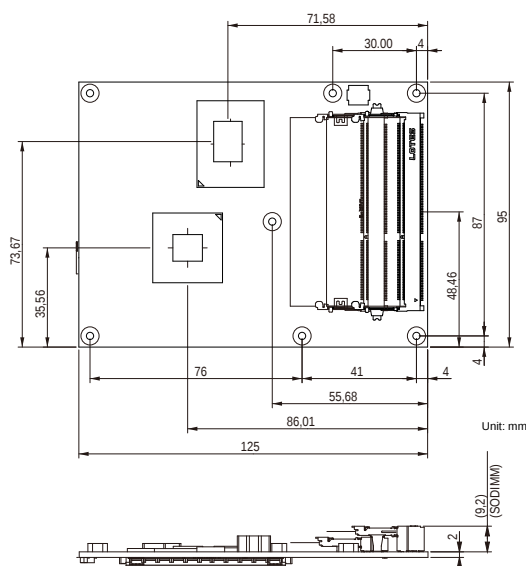
Power Consumption 2.12A@+12V with Celeron® 827E (Typical)

Operating Temp. -40 ~ 85°C (-40 ~ 185°F)

Operating Humidity 10 ~ 95% @ 85°C (non-condensing)

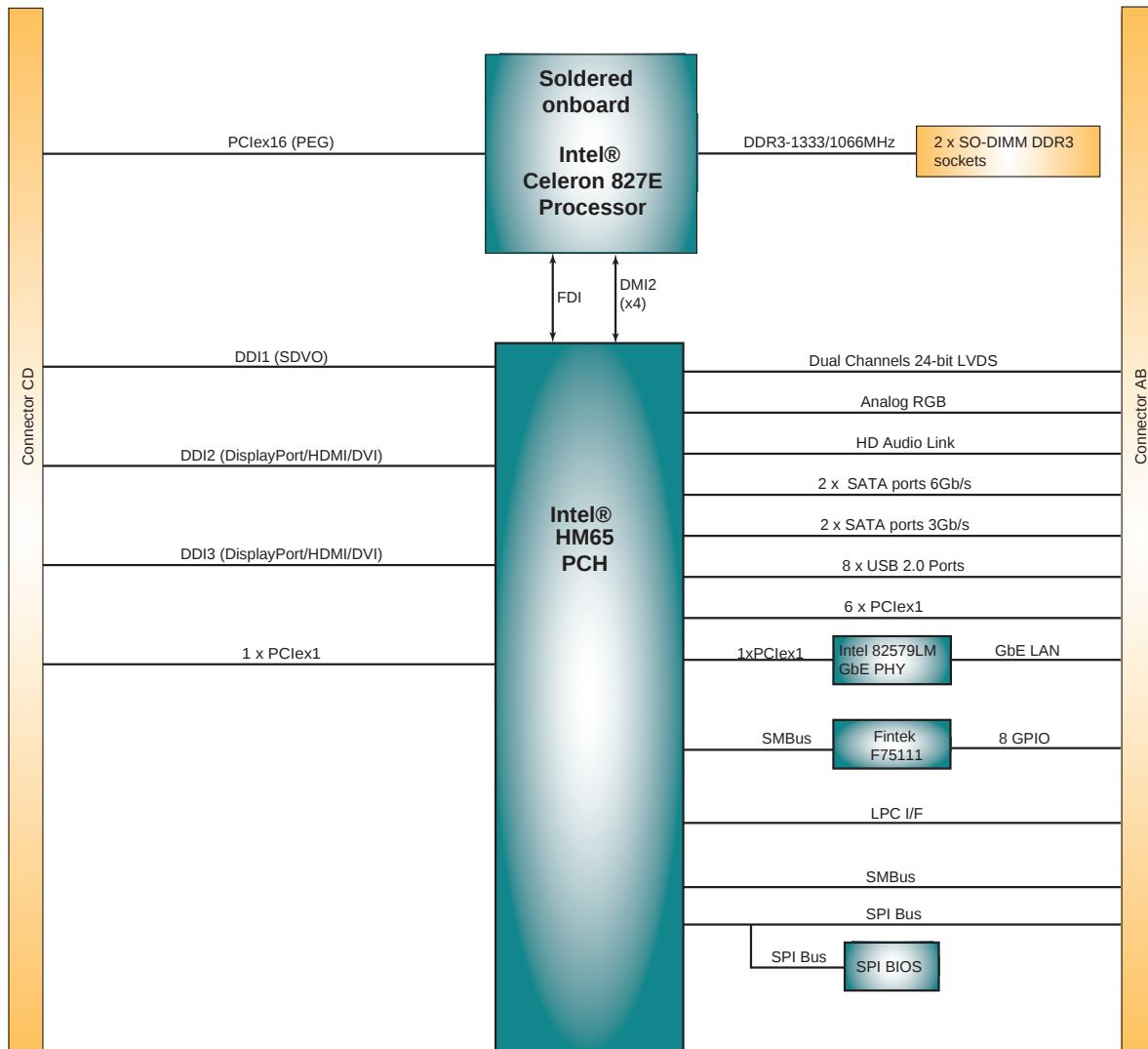
Dimension (L x W) 125 x 95 mm (4.9" x 3.7")

Dimensions





Block Diagram



Ordering Information

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