

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Arbor Solution Inc.](#)

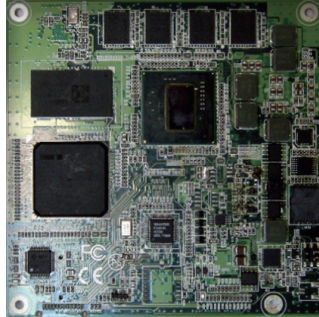
[HS-2601-F1](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

EmETXe-i2601

Intel® Atom™ E680/ E640 COM Express® Compact Type 2
CPU Module



Features

- **Fanless Design**
- Soldered Onboard Intel® Atom™ E680 or E640 Processor
- Integrated Gigabit Ethernet
- Single Channel 24-bit LVDS, Analog RGB
- Support Dual Independent Displays
- **Extended Operating Temp.: -20 ~ 70°C**

System

CPU	Soldered onboard Intel® Atom™ E680 1.6GHz or E640 1.0GHz processor
Memory	Soldered onboard DDR2 SDRAM up to 2GB
Chipset	Intel® IOH EG20T
BIOS	AMI UEFI BIOS
Watchdog Timer	1~255 levels reset

I/O

USB Port	6 x USB 2.0 host ports, 1 x USB 2.0 client port
Digital IO	8-bit programmable Digital Input/ Output
Expansion Bus	2 x PCIe x1 lanes SPI and LPC (Low Pin Count) interfaces
Storage	Max. 2 x Serial ATA ports with 300MB/s HDD transfer rate Soldered onboard SATA NANDrive (optional, shared with SATA port1)
Ethernet Chipset	1 x Intel® IOH EG20T GbE PHY
Audio	HD Audio Link

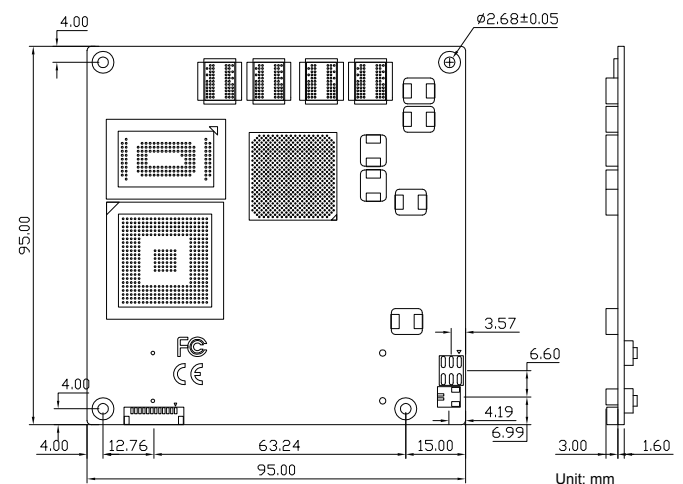
Display

Graphics Chipset	Integrated Intel® Graphics Media Accelerator
Graphics Interface	LCD: Single Channel 24-bit LVDS Support SDVO port Support Dual Independent Displays

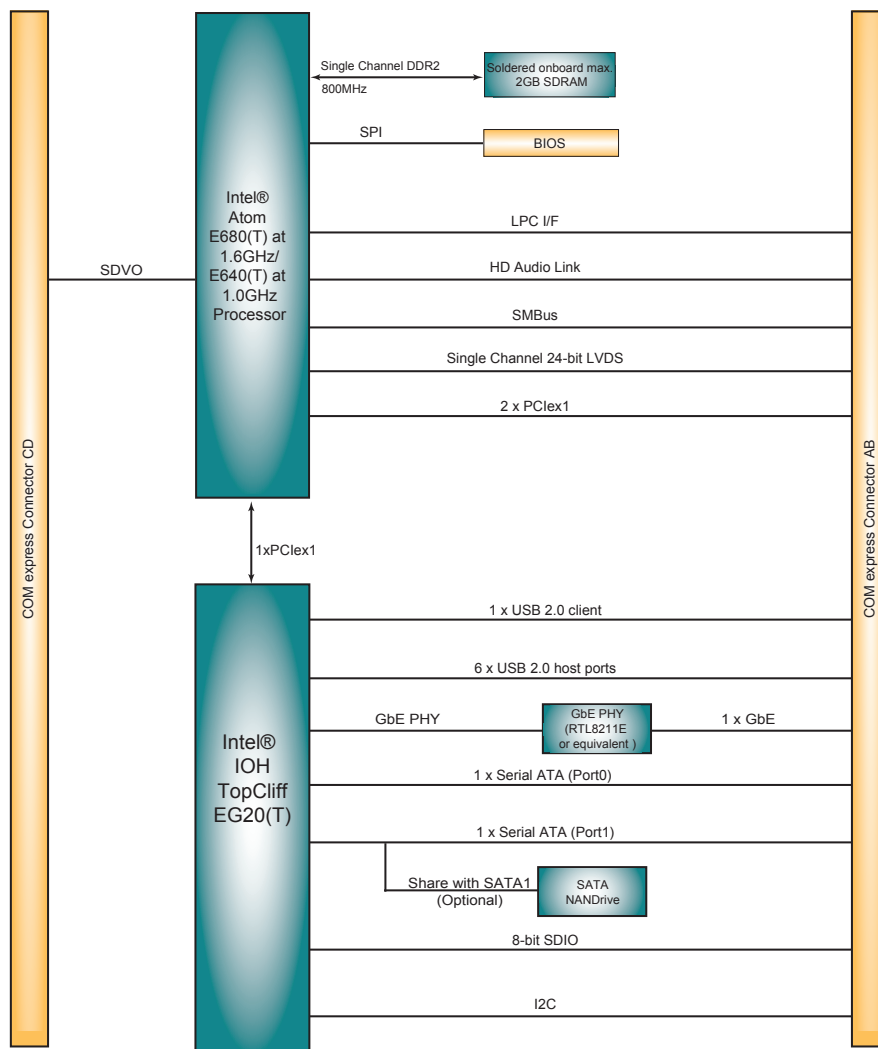
Mechanical & Environmental

Power Requirement	+12V, 5VSB
Power Consumption	0.69A@12V w/ E680 (Typical) 0.60A@12V w/ E640 (Typical)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimension (L x W)	95 x 95 mm (3.7" x 3.7")

Dimensions



Block Diagram



Ordering Information

EmETXe-i2601-E68 Intel® Atom™ E680 1.6GHz with 1GB memory down COM express Compact CPU module

EmETXe-i2601-E64 Intel® Atom™ E640 1.0GHz with 1GB memory down COM express Compact CPU module

Optional Accessories

HS-2601-F1 Heat spreader

HS-0000-W4 Universal evaluation heatsink kit w/ thermal pad (dimension: 125x95x22mm, only used on a flat type heatspreader)

PBE-1700-W R1.3 COM Express Type 2 evaluation board in ATX form factor w/ W83627 Super IO

CBK-04-1700-00 Cable kit

- 1 x SATA cable
- 1 x COM port cable
- 1 x FDD cable
- 1 x IDE cable

CPF-0000-C1 FAN, 4500RPM, 60x60x20mm