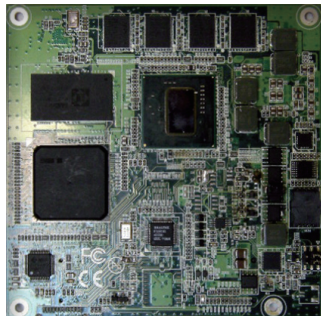


EmETXe-i2601



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

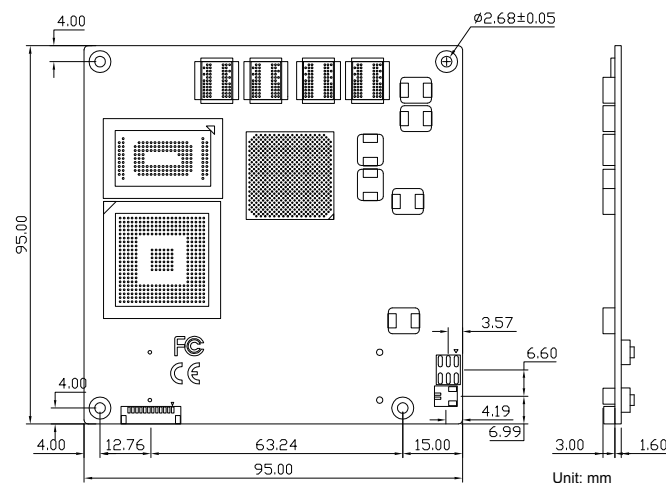
Display

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

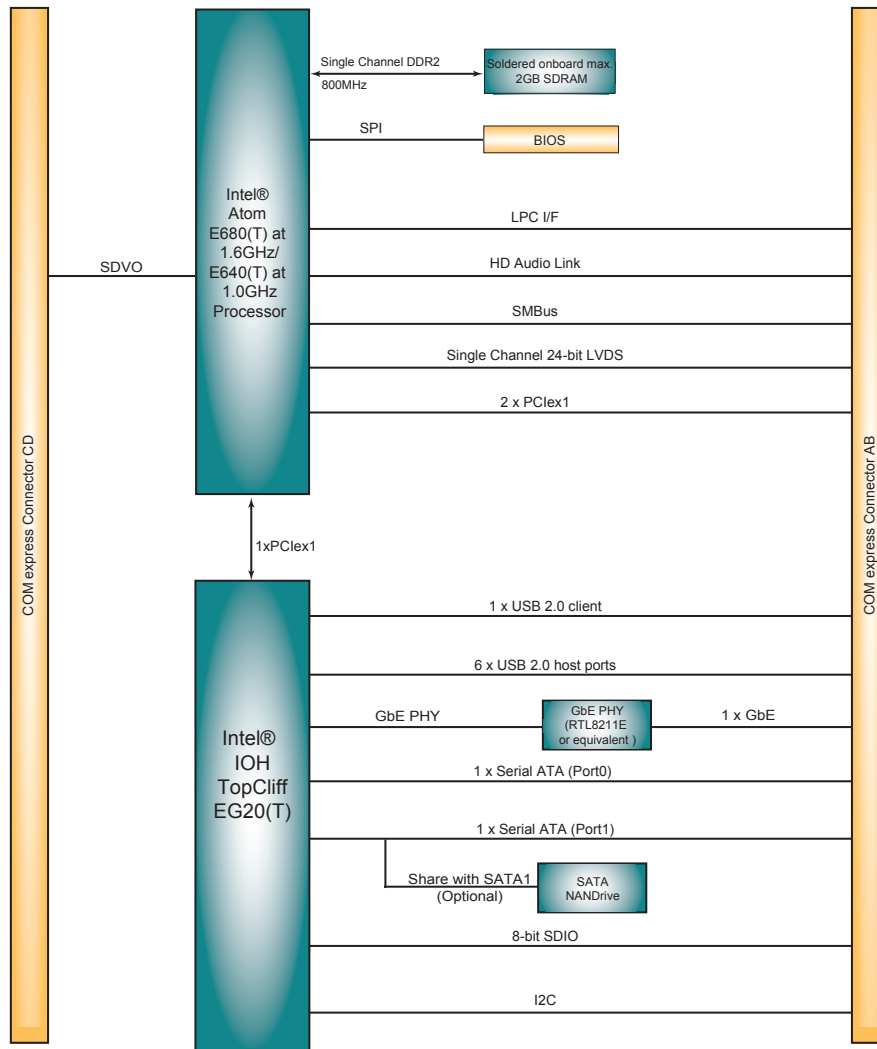
Mechanical & Environmental

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