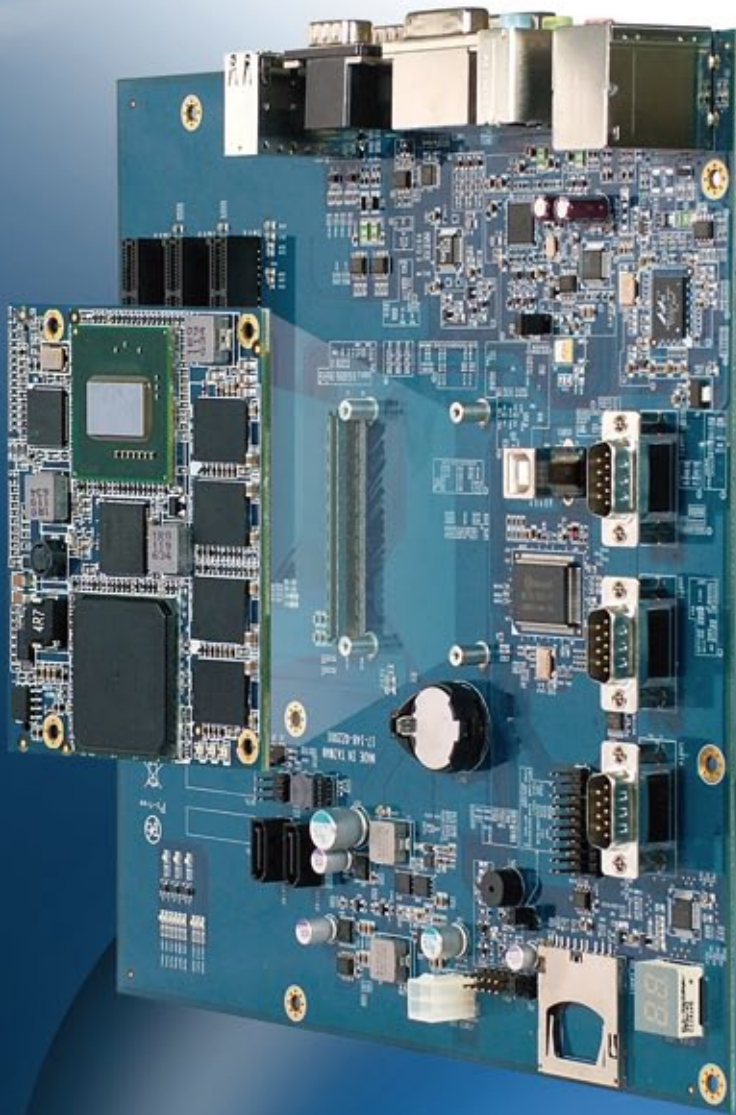


SBC



COE-592LF

Intel® Atom™ E680/E640 Processor Core- Express Module

Features :

- Intel® Atom™ E680/E640 processor
- Supports on board 1GB/2GB DDR2 memory
- Support Single Gb Ethernet
- Support 2 SATA, 3 PCIE(1x), 7 USB, 3COM



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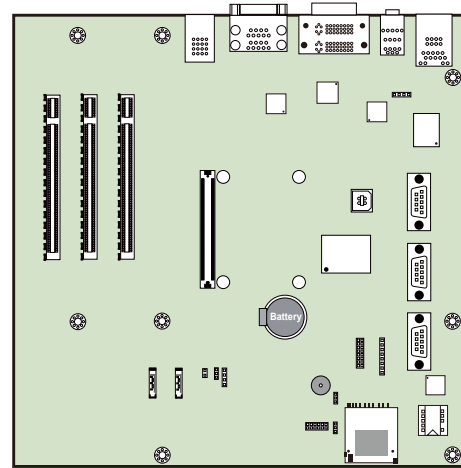
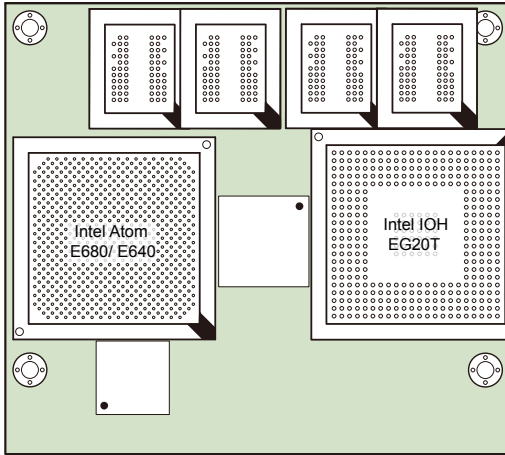


ISO CERTIFIED

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COE-592LF

Intel® Atom™ E680/E640 Processor Core-Express Module



COE-592LF

Specifications

System	
CPU Type	Intel® Atom™ E680/E640 Processor with 512K L2 Cache
CPU Frequency	1.6GHz (E680) / 1.0GHz (E640)
Chipset	Intel® IOH EG20T + SPI
DRAM	On board DDR2 800 1GB/2GB
BIOS	AMI BIOS
Watchdog	1~255 secs Watchdog timer selectable
Power Supply	Support AT/ATX Power (follow Core express power definition)
Power Requirement	+5V, +5Vsb
Dimension	65mm x 58mm
Certificate	CE/FCC

I/O Chipset

SATA Interface	Support 2 ports (SATA II)
SD/SDIO/MMC	1 port
Expansion BUS	3 x PCIe(1x)
Serial Port	Support 3 x COM ports One com port support RX/TX/RTS/CTS signal only Two com port support RX/TX signal only
CANBus	1 port
LAN	Support one Giga LAN
Audio	High Definition Audio
D/I/O	2in/2out
USB	7ports; Support USB 2.0 (1 x Client, 6 x Host)

Display

Graphic	Intel® Atom™ E6xx series processor integrated graphic controller; support LVDS (24bits Single channel) and support SDVO
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Environment

OperationTemp.	0°~60°C for E6xx processor
Storage Temp.	- 40° ~ 85° C (- 40° ~ 185° F)
Humidity	Operation humidity 10 ~ 90%, storage humidity 10 ~ 95%

Ordering Information

COE-592LF-E680	Core-Express Atom™ E680 Processor CPU Module
COE-592LF-E640	Core-Express Atom™ E640 Processor CPU Module

CMB-220LF

Specifications

System	
Dimension	244mm x 244mm
I/O Chipset	
SATA Interface	2 ports (SATA II)
SD/SDIO/MMC	One SD slot
Expansion BUS	3 PCIe(1x) (use PCIe(16x) slot)
	Support 4 x COM ports
Serial Port	One com port support RX/TX/RTS/CTS signal only Two com port support RX/TX signal only One com port support fully RS-232(via LPC)
CANBus	1 port
LAN	One Giga LAN Marvell 88E1111
Audio	High Definition Audio : Realtek ALC888S Support Line-in, Line-out, Mic ALC888S-VD2
USB	7ports; Support USB 2.0 (1 x Client with typeB, 6 x Host with typeA) on board
Display	
Graphic	Build-in processor; support LVDS transform into DVI-I (via Chrontel CH7036)(18bits Single channel) and support SDVO transform into DVI-D (via Chrontel CH7307)

Ordering Information

CMB-220LF	Development Board for Core-Express
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