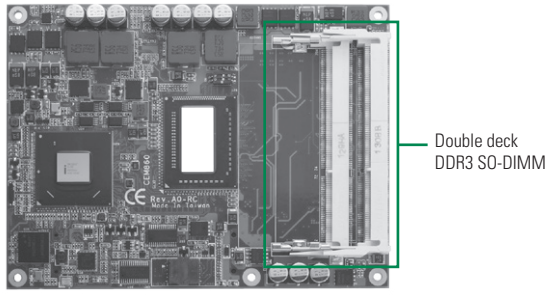
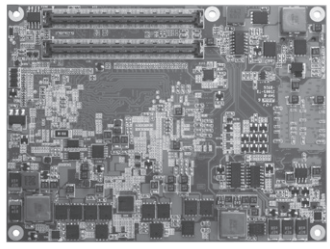
CEM860

COM Express Type 6 Module with Intel® Core™ i7/i5/i3 and Intel® QM67

Features

- 2nd gen Intel® Core™ processor
- Intel® QM67 chipset
- 2 DDR3-1066/1333 SO-DIMM, up to 16GB
- 22 lanes of PCIe Gen 2 at 5GT/s
- 2 SATA-600 & 2 SATA-300
- 8 USB 2.0
- 2 USB 3.0 (optional)
- TPM 1.2 supported (optional)





▲ Rear view



Core System

CPU	2nd generation Intel® Quad/ Dual Core™ i7/i5/i3 & Celeron® processor
System Memory	2 x 204-pin SO-DIMM DDR3-1066/1333, up to 16GB
Chipset	Intel® QM67
BIOS	AMI UEFI BIOS
SSD	N/A
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCIe x16 graphics port 6 x PCIe lanes support for 6 x PCIe x1 or 1 x PCIe x4 + 2 x PCIe x1 devices
Battery	N/A
Power Requirements	Differentiate by onboard processor
Size	125 x 95 mm
Board Thickness	1.6 mm
Temperature	0°C ~ +60°C (32°F ~ 140°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x LPC interface 1 x SPI interface
SATA	2 x SATA-600, 2 x SATA-300
Hardware Monitoring	N/A
Ethernet	1 port as 10/100/1000 Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82579LM
Audio	HD link interface to baseboard for external Codec
USB	8 x USB 2.0 2 x USB 3.0 (optional)
TPM 1.2	Infineon SLB9635 for trusted platform (optional)
SMBus	Yes
Digital I/O	4 channels IN & 4 channels OUT

Display

Chipset	Intel® HD graphics 3000 code
Memory Size	Depending on integrnted GPU
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel 3 x DDI (SDVO, DP, HDMI, DVI)

Packing List

Quick installation guide, user's manual/utility CD

Ordering Information

Standard	
CEM860DG-i5-2515E (P/N: E380860101)	COM Express Type 6 module with Intel® Core™ i5-2515E 3.1 GHz, VGA/LVDS, GbE LAN, USB 3.0 and TPM (recommended cooler P/N: E39J000101)
CEM860DG-i3-2340UE (P/N: E380860103)	COM Express Type 6 module with Intel® Core™ i3-2340UE 1.3 GHz, VGA/LVDS, GbE LAN, USB 3.0 and TPM (recommended cooler P/N: E39J000101)
CEM860DG-B810E (P/N: E380860104)	COM Express Type 6 module with Intel® Celeron® B810E 1.6 GHz, VGA/LVDS, GbE LAN, TPM (recommended cooler P/N: E39J000102)
CEM860DG-i7-2715QE (P/N: E380860100)	COM Express Type 6 module with Intel® Core™ i7-2715QE 3 GHz, VGA/LVDS, GbE LAN, USB 3.0 and TPM (recommended cooler P/N: E39J000100)
CEM860DG-i7-2610UE (P/N: E380860102)	COM Express Type 6 module with Intel® Core™ i7-2610UE 2.4 GHz, VGA/LVDS, GbE LAN and TPM (recommended cooler P/N: E39J000100)
CEM860DG-i7-2610UE WT	COM Express Type 6 module with Intel® i7-2610UE 2.4 GHz, VGA/LVDS, GbE LAN, TPM and W.T. (-40° ~ +80°C) (recommended cooler P/N: E39J000100)

Cooler with heatspreader	
CEB94006	ATX form factor Type 6 baseboard
E39J000100	TS000-CEM860-i7 with fan RC (up to 45 W Core™ i CPU)
E39J000101	TS000-CEM860-i5/i3 with fan RC (up to 35 W Core™ i CPU)
E39J000102	TS000-CEM860-celeron with fan RC (up to 35 W Core™ i CPU)

* W.T.: Wide Temperature

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