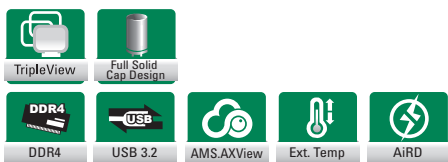


CEM530

COM Express Type 6 Basic Module with Intel® Xeon® & 9th/8th Gen Intel® Core™ Processors and Intel® CM246/QM370

Features

- Intel® Xeon® & 9th/8th gen Intel® Core™ processors
- Intel® CM246/QM370 chipset
- Dual channel DDR4-2666 SO-DIMM for up to 96GB of memory
- 1 PCIe x16 and 8 PCIe x1 Gen3
- 4 SATA Gen3 with RAID 0/1/5/10
- 4 USB 3.2 and 8 USB 2.0
- TPM 2.0 function supported
- AMS.AXView intelligent remote management software for industrial IoT applications

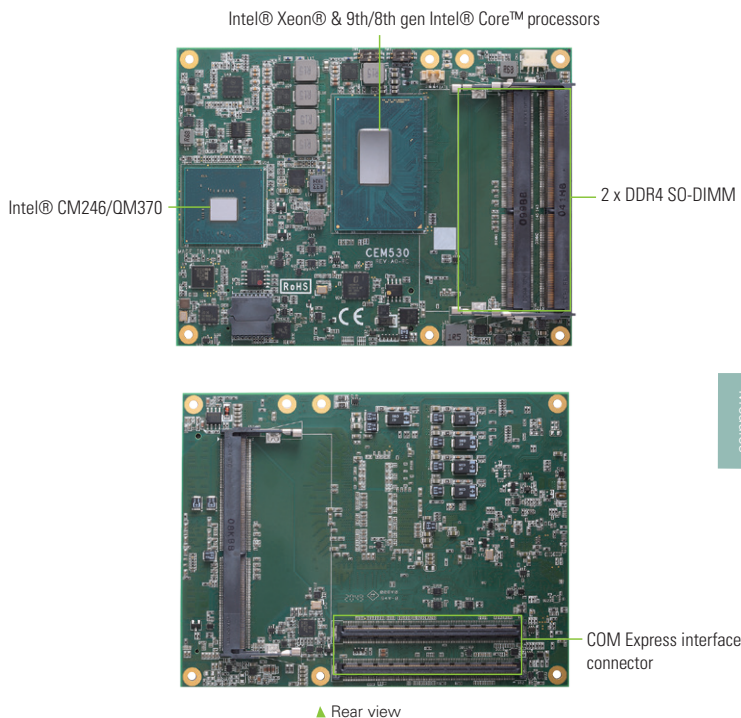


Core System

| | |
|-----------------------|---|
| CPU | Intel® Xeon® & 9th/8th gen Intel® Core™ processors (Coffee Lake & Coffee Lake Refresh) |
| System Memory | Dual channel DDR4-2666 SO-DIMM, max. for 96GB (optional non-ECC/ECC memory) |
| Chipset | Intel® CM246/QM370 |
| BIOS | AMI uEFI (Legacy Free) |
| Storage | N/A |
| Watchdog Timer | 65536 levels, 0 to 65535 sec. |
| Expansion Interface | 1 x PCIe x16 Gen3 8 x PCIe x1 Gen3 |
| Battery Lithium | N/A |
| Power Input | ATX: +12V, +5VSB; AT: +12V |
| Dimensions | 125 x 95 mm |
| Board Thickness | 2.0 mm |
| Operating Temperature | -40°C to +85°C (-40°F to +185°F) with system thermal solution (operation with heatsink and fan) |
| Humidity | 10% - 95% relative humidity, non-condensing |
| Vibration | 3.5 Grms |

I/O

| | |
|---------------------|---|
| SATA | 4 x SATA Gen3 with RAID 0/1/5/10 |
| Hardware Monitoring | Yes |
| Ethernet | 1 x 10/100/1000 Mbps Ethernet with Intel® i219-LM; supports Wake-on-LAN, PXE Boot ROM |
| Audio | HD link interface to baseboard for Codec |
| USB | 4 x USB 3.2 Gen 2 8 x USB 2.0 |
| Serial | 1 x LPC 1 x SPI 2 x TX/RX |
| TPM | TPM 2.0 |
| SMBus | Yes |
| Others | 1 x I ² C |
| GPIO | 4-CH in & 4-CH out (SDIO optional) |
| Smart Battery | Yes |



Display

| | |
|-------------------|--|
| Chipset | Intel® Gen 9 HD Graphic Gfx APIs - DX11/12, OCL2.x, OGL 4.3/4.4 3 independent displays |
| Display Interface | 1 x LVDS; 18/24-bit single/dual channel (default), optional with eDP 1.4: 4096 x 2304 @60Hz 1 x VGA; 1920 x 1200 @60Hz (default) 2 x DDI (DisplayPort 1.2: 4096 x 2304 @60Hz/HDMI 1.4: 4096 x 2160 @30/24Hz) |

Packing List

Quick installation guide

Ordering Information

Standard

| | |
|------------------------|--|
| CEM530-E-2276ME+CM246 | COM Express Type 6 basic module with Intel® Xeon® E-2276ME, CM246, DDI/LVDS, GbE LAN, USB 3.0 and TPM |
| CEM530-i7-9850HE+QM370 | COM Express Type 6 basic module with Intel® Core™ i7-9850HE, QM370, DDI/LVDS, GbE LAN, USB 3.0 and TPM |
| CEM530-i5-9400H+QM370 | COM Express Type 6 basic module with Intel® Core™ i5-9400H, QM370, DDI/LVDS, GbE LAN, USB 3.0 and TPM |
| CEM530-G4930E+QM370 | COM Express Type 6 basic module with Intel® Core™ G4930E, QM370, DDI/LVDS, GbE LAN, USB 3.0 and TPM |

*Any other SKUs (9th or 8th gen Intel® Core™ processors) and combination are supported by request. Please contact sales for the details.

Optional

| | |
|----------------------------|--|
| CEB94011 (P/N: E394011100) | CEB94011 COM Express Type 6 evaluation board |
| E39J015100 | CEM520 heat sink with fan |
| E39J006100 | CEM520 heat spreader |