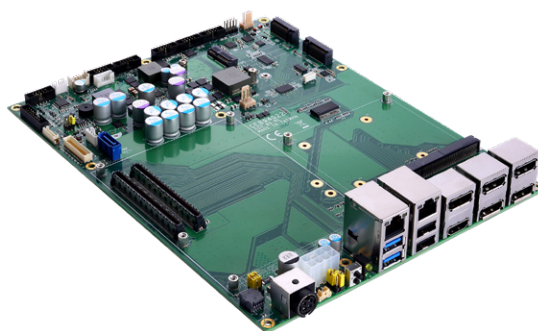
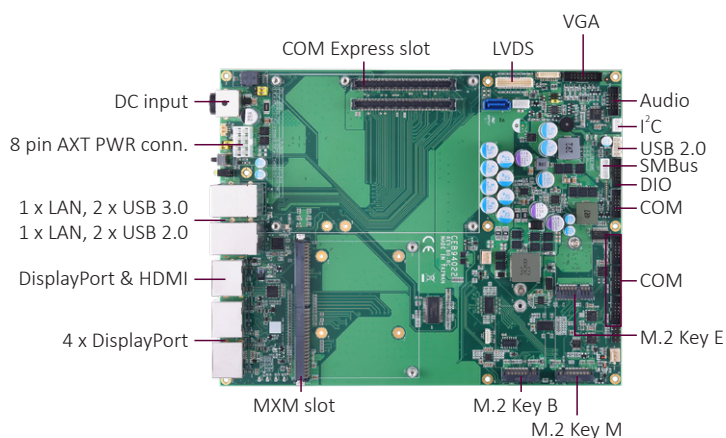


CEB94022

COM Express Type 6 Application Board with MXM Slot



M.2



USB 3.0



Wide Temp.



All Solid Caps

Features

- MXM type A/B supported
- SATA 3.0
- LVDS, VGA, HDMI, and DisplayPort
- 4 USB 2.0 and 2 USB 3.0
- 3 x M.2 slot (Key E/B/M)
- 3 RS-232/422/485 and 1 RS-232

Specifications

Core System

| | |
|---------------------|--|
| CPU | On module |
| System Memory | On module |
| BIOS | On module |
| MXM | MXM Type A/B slot |
| SSD | N/A |
| Watchdog Timer | On the module |
| Expansion Interface | M.2 Key E 2230 M.2 Key B 3052 M.2 Key M 2280 |
| Battery Lithium | Lithium 3V/220 mAH |
| Power Input | DC 19 to 24V via adapter/12V via ATX 8-pin connector |



Specifications

Display

| | |
|-------------------|--|
| Chipset | On module |
| Display Interface | 1 x LVDS; 18/24-bit single channel 1 x VGA 1 x HDMI (from COM express module) 1 x DisplayPort (from COM express module) 4 x DisplayPort (from MXM) |

I/O

| | |
|---------------------|---|
| SATA | 1 x SATA 3.0 |
| Hardware Monitoring | Yes |
| Ethernet | 1 x 10/100/1000/2500 Mbps Ethernet with Intel® I226; supports Wake-on-LAN, PXE Boot ROM 1 x 10/100/1000/2500 Mbps (by COMe model) signals routed from CPU module |
| Audio | HD audio with Line-out, MIC-in & Line-in |
| USB | 4 x USB 2.0 2 x USB 3.0 |
| Serial | 1 x RS-232 3 x RS-232/422/485 |
| TPM | N/A |
| SMBus | Yes |
| Others | 1 x I ² C |
| GPIO | 4-CH in & 4-CH out |

Mechanical and Environmental

| | |
|-----------------------|--|
| Dimensions | 245 x 190 mm |
| Board Thickness | 1.6 mm |
| Operating Temperature | -40°C to +85°C (-40°F to +185°F) |
| Relative Humidity | 10% to 95% relative humidity, non-condensing |

Ordering Information

Standard

| | |
|-------------------------------|--|
| CEB94022 (P/N: E394022103) | COM Express Type 6 application board with MXM slot, 3 M.2 slots, 2 LANs, LVDS, VGA and multiple I/O features |
|-------------------------------|--|

Compliant Modules

| | |
|---------------|---|
| CEM500 Series | COM Express Type 6 Basic module with 6th Gen Intel® Xeon® and Core™ i7/i5/i3 processors (Skylake-H) |
| CEM510 Series | COM Express Type 6 Basic module with Intel® Xeon® E3 or 7th Gen Intel® Core™ i7/i5/i3 processors (Kaby Lake-H) |
| CEM501 Series | COM Express Type 6 Compact module with 6th Gen Intel® Core™ i7/i5/i3 or Intel® Celeron® processor (Skylake-U) |
| CEM511 Series | COM Express Type 6 Compact module with 7th Gen Intel® Core™ i7/i5/i3 or Intel® Celeron® 3965U processor (Kaby Lake-U) |
| CEM322 series | COM Express Type 6 Compact module with Intel® Pentium®, Celeron®, or Atom® x6000 Series processors |
| CEM530 series | COM Express Type 6 Basic module with Intel® Xeon® or 9th/8th Gen Intel® Core™ processors and Intel® CM246/QM370 chipset |
| CEM561 series | COM Express Type 6 Compact module with 13th/12th Gen Intel® Core™ or Intel® Celeron® processors |
| CEM570 series | COM Express Type 6 Basic module featuring Intel® Core™ Ultra processor family (Meteor Lake-U/H) |



Block Diagram

