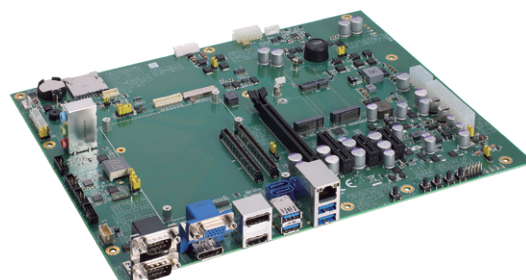
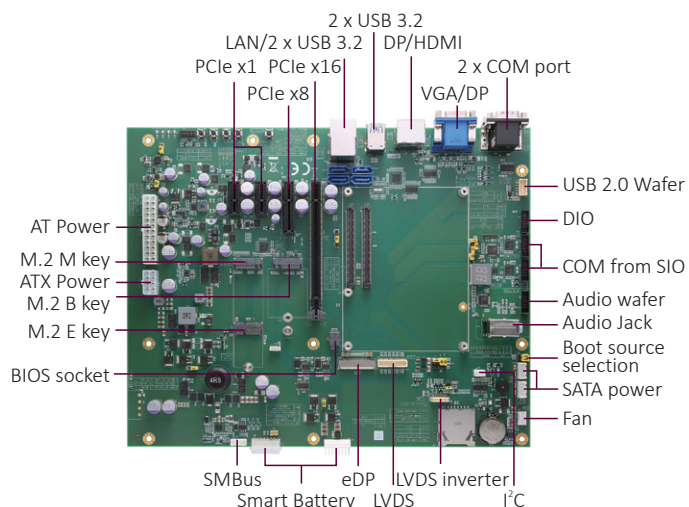


CEB94011

COM Express Type 6 Development Baseboard



▲ Side view

Features

- COM Express type 6 baseboard for evaluation purpose
- USB 3.2 Gen 2 supported
- Supports M.2 Key M, B, and E
- Port 80 display for debugging
- Smart battery supported

Specifications

Core System

CPU	COM Express type 6 module
System Memory	On the module
Chipset	On the module
BIOS	On the module
SSD	N/A
Watchdog Timer	On the module
Expansion Interface	1 x PCIe x16 1 x PCIe x4 1 x M.2 Key E 2230 (PCIe x1, 1 x USB 2.0) 1 x M.2 Key B 2242 (PCIe x1, USB 2.0 / optional USB 3.2 with USB-A, optional SATA with SATA port) 1 x M.2 Key M 2280 (PCIe x4) 2 x PCIe x1
Battery Lithium	Lithium 3V/220mAH
Power Input	AT/ATX Power

Specifications

Display

Display Interface	1 x LVDS; 18/24-bit dual channel 1 x eDP 1 x VGA 1 x HDMI 2 x DisplayPort
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I/O

MIO	1 x LPC interface 1 x SPI interface 2 x Serial TX/RX 1 x I ² C
SATA	4 x SATA 3.0 (one SATA is alternative w/ M.2 key B SATA)
Hardware Monitoring	Detect CPU/system temperature, voltage, and fan speed
Ethernet	1 x RJ-45 for 10/100/1000/2500 Mbps
Audio	HD audio with Line-in/Line-out/MIC-in
USB	4 x USB 3.2 Gen 2 (one USB 3.2 is alternative w/ M.2 key B USB 3.2)
TPM	On the module
SMBus	Yes
Digital I/O	4-CH in/4-CH out
SDIO	N/A
Smart Battery	Supported
Port 80 Display	Dual 7-segment Port 80 display for convenient debugging via LPC interface

Mechanical and Environmental

Size	243 x 305 mm
Board Thickness	1.6 mm
Operating Temperature	-40°C to +85°C (-40°F to +185°F), operation
Relative Humidity	10% to 95% relative humidity, non-condensing

Ordering Information

Standard

CEB94011 (P/N: E394011101)	COM Express Type 6 evaluation baseboard rev. B.x with PCI Express, 1 GbE LAN, HDMI/DisplayPort and multiple I/O features
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Compliant Modules

CEM312 series	COM Express Type 6 Compact module with Intel Atom® x5 and x7 processor
CEM313 series	COM Express Type 6 Compact module with Intel® Pentium® and Celeron® or Atom® x6000 series processors
CEM322 series	COM Express Type 6 Compact module with Intel® Pentium®/Celeron® or Atom® x6000 series processors
CEM500 series	COM Express Type 6 Basic module with Intel® Xeon®, 6th Gen Intel® Core™ i7/i5/i3 processor, and Intel® CM236/QM170/HM170
CEM501 series	COM Express Type 6 Compact module with 6th Gen Intel® Core™ i7/i5/i3 and Celeron® processor
CEM510 series	COM Express Type 6 Basic module with Intel® Xeon® E3/7th Gen Intel® Core™ i7/i5/i3 processors
CEM511 series	COM Express Type 6 Compact module with 7th Gen Intel® Core™ and Celeron® processor
CEM521 series	COM Express Type 6 Compact module with 8th Gen Intel® Core™ and Celeron® processor
CEM530 series	COM Express Type 6 Basic module with Intel® Xeon® or 9th/8th Gen Intel® Core™ processor and Intel® CM246/QM370
CEM561 series	COM Express Type 6 Compact module with 13th/12th Gen Intel® Core™ or Celeron® processor