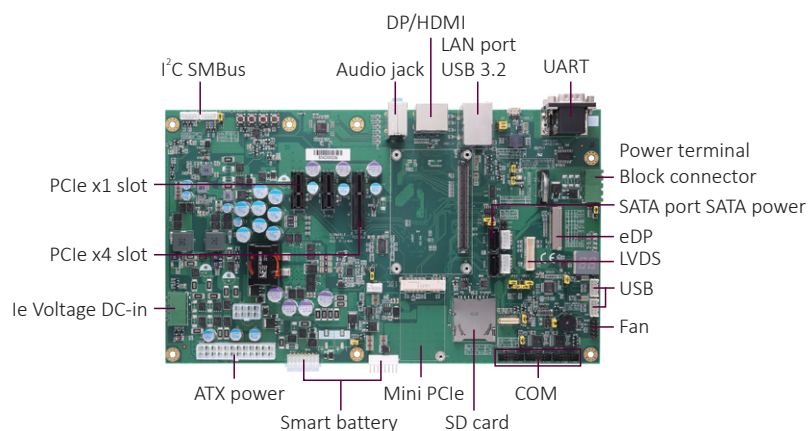


CEB94017

COM Express Type 10 Development Baseboard



▲ Side view

Features

- COM Express type 10 baseboard for evaluation purpose
- USB 3.2 Gen 2 supported
- Supports Mini PCIe slot
- Port 80 display for debugging
- Smart battery supported

Specifications

Core System

CPU	COM Express Type 10 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 x4 4 x PCIe x1 1 x Mini PCIe (PCIe x1)
Battery Lithium	Lithium 3V/220mAH
Power Input	AT/ATX power

Display

Display Interface	1 x LVDS; 18/24-bit single channel 1 x HDMI 1 x DisplayPort
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Specifications

I/O

MIO	1 x LPC interface 1 x SPI interface 2 x Serial TX/RX 1 x I ² C
SATA	2 x SATA 3.0
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	2 x USB 3.2 Gen 2, 8 x USB 2.0
TPM	On the module
SMBus	Yes
Digital I/O	4-CH in/4-CH out
SDIO	1 x SD card reader (alternative with DIO 4-in/4-out)
Smart Battery	Supported
Port 80 Display	Dual 7-segment port 80 display for convenient debugging via LPC interface

Mechanical and Environmental

Size	293.4 x 171.5 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

CEB94017 (P/N: E394017102)	COM Express Type 10 evaluation baseboard rev. B.x with PCI Express, 2.5 GbE LAN, HDMI/DisplayPort, and multiple I/O features
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Compliant Modules

CEM846 series	COM Express Type 10 Mini Module with Intel Atom® E3800
CEM310 series	COM Express Type 10 Mini Module with Intel Atom® x5 and x7 processor
CEM311 series	COM Express Type 10 Mini Module with Intel® Pentium® processor N4200 & Celeron® Processor N3350
CEM320 series	COM Express Type 10 Mini Module with Intel Atom® x6000E/RE series or Intel® Celeron® N/J series
CEM330 series	COM Express Type 10 Mini Module with Intel Atom® X7000 or Intel® Core™ i3, N-series processors
CEM568 series	COM Express Type 10 Mini Module with 13th Gen Intel® Core™ or processor U300E

Block Diagram

