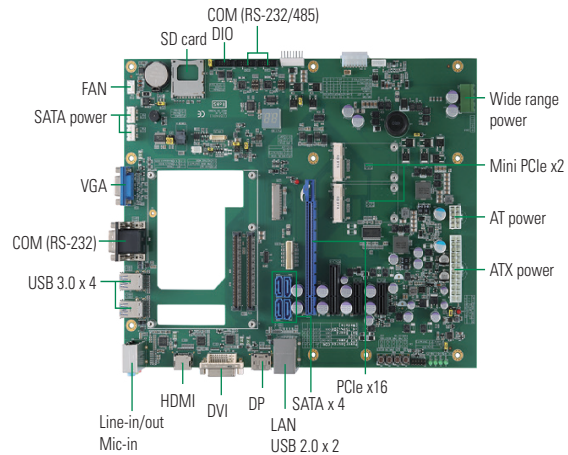
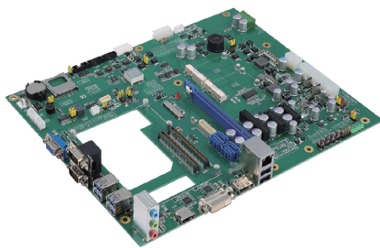


# CEB94011

COM Express Type 6 Development Baseboard

## Features

- COM Express type 6 baseboard for evaluation purpose
- USB 3.0 supported
- Port 80 display for debugging
- Smart battery supported



### 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 2 x PCI Express Mini Card slot 2 x PCIe x1
Battery Lithium	Lithium 3V/220MAH
Power Input	AT/ATX Power
Size	244 x 291 mm
Board Thickness	1.6 mm
Temperature	-40°C ~ +85°C (-40°F ~ +185°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

### I/O

MIO	1 x LPC interface 1 x SPI interface 2 x Serial TX/RX 1 x I <sup>2</sup> C
SATA	4 x SATA-600
Hardware Monitoring	Detect CPU/SYS temperature, voltage and fan speed
Ethernet	1 x RJ-45 for 10/100/1000 Mbps
Audio	HD audio with Line-in/Line-out/MIC-in
USB	4 x USB 3.0 2 x USB 2.0
TPM	On the module
SMBus	Yes
Digital I/O	4 channels IN & 4 channels OUT
SDIO	1 x SD card socket
Port 80 Display	Dual 7 segments Port 80 display for convenient debugging purpose thru LPC interface
Smart Battery	Yes (with AX98252)

### Display

Display Interface	1 x LVDS; 18/24-bit dual channel 1 x eDP 1 x VGA 1 x HDMI 1 x DisplayPort 1 x DVI
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### Packing List

Quick installation guide, user's manual/ utility CD

### Ordering Information

#### Standard

CEB94011 (P/N: E39401100)	COM Express Type 6 evaluation baseboard with PCI Express, 1 GbE LAN, HDMI/DisplayPort and multiple I/O features
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#### Compliant Modules

CEM501PG-i7-6600U (P/N: E38D501102)	COM Express Type 6 module; i7-6100U with Gigabit Ethernet TPM and USB 3.0
CEM501PG-i5-6300U (P/N: E38D501103)	COM Express Type 6 module; i5-6300U with Gigabit Ethernet TPM and USB 3.0
CEM501PG-i3-6100U (P/N: E38D501101)	COM Express Type 6 module; i3-6100U with Gigabit Ethernet TPM and USB 3.0
CEM501PG-CEL-3955U (P/N: E38D501100)	COM Express Type 6 module; Celeron® 3955U with Gigabit Ethernet TPM and USB 3.0
CEM500PG-i7-6822EQ + QM170 (P/N: E38D500106)	COM Express Type 6 module; i7-6822EQ + QM170 with Gigabit Ethernet TPM and USB 3.0
CEM500PG-i7-6820EQ + QM170 (P/N: E38D500100)	COM Express Type 6 module; i7-6820EQ + QM170 with Gigabit Ethernet TPM and USB 3.0
CEM500PG-i5-6440EQ + QM170 (P/N: E38D500101)	COM Express Type 6 module; i5-6440EQ + QM170 with Gigabit Ethernet TPM and USB 3.0
CEM500PG-i3-6100E + QM170 (P/N: E38D500108)	COM Express Type 6 module; i3-6100E + QM170 with Gigabit Ethernet TPM and USB 3.0
CEM500PG-E3-1505Mv5+CM236 (P/N: E38D500109)	COM Express Type 6 module; E3-1505M v5 + CM236 with Gigabit Ethernet TPM and USB 3.0
CEM500PG-i3-6100E + CM236 (P/N: E38D500105)	COM Express Type 6 module; i3-6100E + CM236 with Gigabit Ethernet TPM and USB 3.0

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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