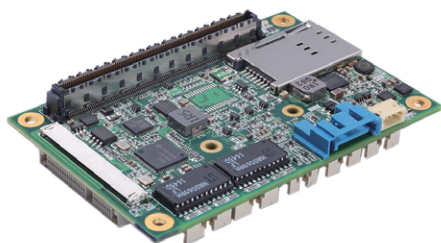


CEB94018

COM Express Type 10 Mini Application Board with LVDS, VGA, Dual LAN and Audio

Features

- 84 x 55 mini size form factor
- 2 GbE LAN
- SATA and mSATA
- LVDS and VGA
- 6 USB 2.0
- 2 PCI Express Mini Card slots



▲ Side view

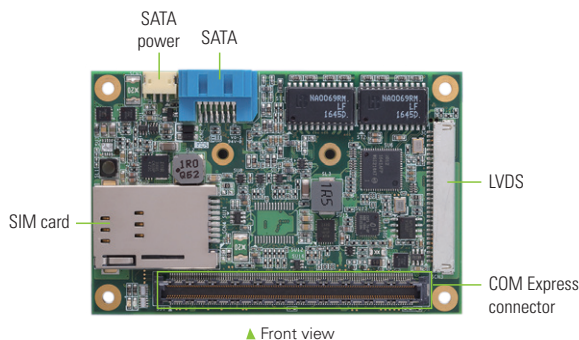


Core System

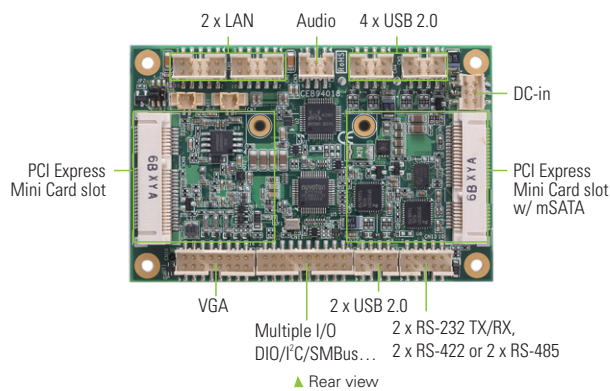
| | |
|-----------------------|---|
| CPU | On the module |
| System Memory | On the module |
| Chipset | On the module |
| BIOS | On the module |
| SSD | N/A |
| Watchdog Timer | On the module |
| Expansion Interface | 2 x Half-size PCI Express Mini Card slot 1 x SIM card slot |
| Battery Lithium | Lithium 3V/220 mAh |
| Power Input | AT/ATX: +5V DC in, +9V to +14 DC in (option) |
| Dimensions | 84 x 55 mm |
| Board Thickness | 1.6 mm |
| Operating Temperature | -40°C to +85°C (-40°F to +185°F) |
| Humidity | 10% - 95% relative humidity, non-condensing |

I/O

| | |
|---------------------|--|
| SATA | 1 x SATA-600 |
| Hardware Monitoring | Yes |
| Ethernet | 1 x 10/100/1000 Mbps Ethernet with Intel® i210-IT; supports Wake-on-LAN, PXE Boot ROM 1 x 10/100/1000 Mbps signals routed from CPU module |
| Audio | HD audio with Line-out & Mic-in |
| USB | 6 x USB 2.0 |
| Serial | 2 x RS-232 TX/RX/RS-422/RS-485 |
| TPM | N/A |
| SMBus | N/A |
| Others | 1 x I ₂ C, FP |
| GPIO | 3-CH in & 3-CH out |
| Display | 1 x LVDS; 18/24-bit single channel 1 x VGA |



▲ Front view



▲ Rear view

Packing List

Quick installation guide

Ordering Information

| Standard | |
|--|---|
| CEB94018VGA (P/N: E394018100) | COM Express Type 10 Mini application board with 2 PCI Express Mini Card slots, 2 GbE LAN, LVDS, VGA and multiple I/O features |
| TS010-CEB90418 HS (P/N: E39J010100) | CEB94018 heatsink with fan (5V) |

Accessories include in CEB94018VGA

Power cable
VGA cable
USB 2.0 cable
Audio cable
LAN cable
COM cable
SATA power cable
System cable

Compliant Modules

| | |
|--|--|
| CEM846PG-E3845-4G (P/N: E380846105) | COM Express Type 10 Mini module with Intel® Atom® E3845, 4GB, DDI, LVDS, GbE LAN and USB 3.0 |
| CEM846PG-E3827-4G (P/N: E380846104) | COM Express Type 10 Mini module with Intel® Atom® E3827, 4GB, DDI, LVDS, GbE LAN and USB 3.0 |
| CEM846PG-E3815-2G (P/N: E380846103) | COM Express Type 10 Mini module with Intel® Atom® E3815, 2GB, DDI, LVDS, GbE LAN and USB 3.0 |
| CEM300PG-N3710-4G (P/N: E38D300100) | COM Express Type 10 Mini module with Intel® Pentium® N3710, 4GB, DP, LVDS, USB 3.0 and GbE LAN |
| CEM300PG-N3160-4G (P/N: E38D300102) | COM Express Type 10 Mini module with Intel® Celeron® N3160, 4GB, DP, LVDS, USB 3.0 and GbE LAN |
| CEM300PG-N3060-4G (P/N: E38D300104) | COM Express Type 10 Mini module with Intel® Celeron® N3060, 4GB, DP, LVDS, USB 3.0 and GbE LAN |
| CEM311PG-N4200 (P/N: E38D311103) | COM Express Type 10 Mini module with Intel® Pentium® N4200, DDI, LVDS, USB 3.0 and GbE LAN |
| CEM311PG-N3350 (P/N: E38D311100) | COM Express Type 10 Mini module with Intel® Celeron® N3350, DDI, LVDS, USB 3.0 and GbE LAN |



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