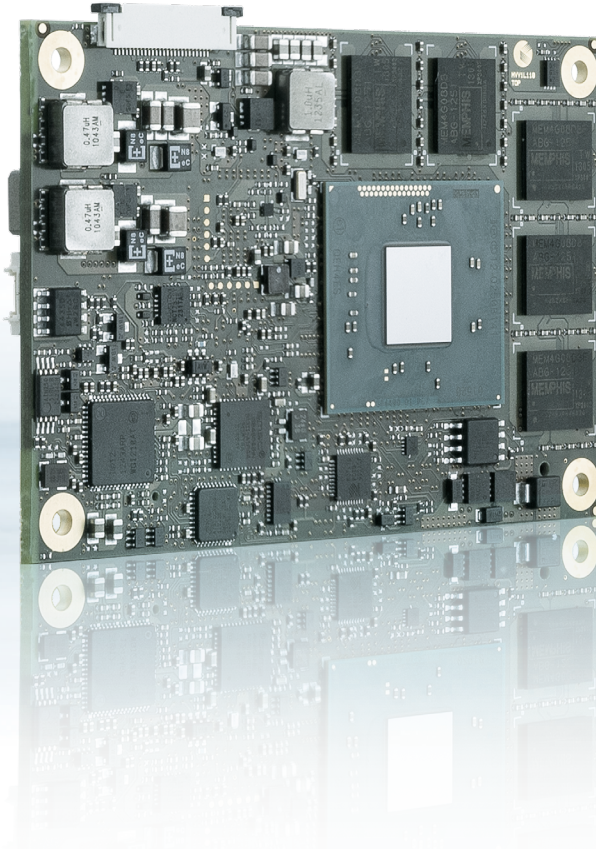


# COMe-mBT10

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## COM Express® mini Type 10 with Intel Atom® E3800 & Celeron® series

- ▶ Intel Atom® E3800 & Celeron® series
- ▶ Up to 4 GByte DDR3L memory down (ECC optional)
- ▶ 1x USB 3.0/2.0, up to 7x USB 2.0, eMMC Flash, 2x SATA
- ▶ Industrial grade temperature

POSSIBILITIES START HERE

## ▶ TECHNICAL INFORMATION

|                            |   |
|----------------------------|---|
| <b>COMPLIANCE</b>          | COM Express® mini, Pin-out Type 10  |
| <b>DIMENSIONS</b>          | 84 x 55 mm  |
| <b>CPU</b>                 | Intel Atom® E3845, Intel Atom® E3827, Intel Atom® E3826, Intel Atom® E3825, Intel Atom® E3815, Intel® Celeron® J1900, Intel® Celeron® N2920, Intel® Celeron® N2930, Intel® Celeron® N2807 |
| <b>CHIPSET</b>             | -   |
| <b>MAIN MEMORY</b>         | Up to 4 GByte DDR3L-1333 memory down (ECC optional)   |
| <b>GRAPHICS CONTROLLER</b> | Intel® HD Graphics (Gen7)   |
| <b>ETHERNET CONTROLLER</b> | Intel® I210IT/I210AT (I211AT)   |
| <b>ETHERNET</b>            | 10/100/1000 MBit Ethernet   |
| <b>STORAGE</b>             | 2x SATA 3Gb/s, SDIO Interface (shared with GPIO)  |
| <b>FLASH ONBOARD</b>       | 8 - 128 GByte eMMC  |
| <b>PCI EXPRESS®</b>        | 3x PCIe x1  |
| <b>PANEL SIGNAL</b>        | DDI: DP++, LVDS: Single Channel 18/24bit or eDP   |
| <b>USB</b>                 | 1x USB 3.0 (incl. USB 2.0), 3x USB 2.0 from CPU, 3x USB 2.0 from USB Hub on 34006, (option on 34007)  |
| <b>SERIAL</b>              | 2x serial interface (RX/TX only)  |
| <b>AUDIO</b>               | Intel® High Definition Audio  |
| <b>COMMON FEATURES</b>     | SPI, LPC, SMB, Fast I <sup>2</sup> C, Staged Watchdog, RTC, MARS  |
| <b>BIOS</b>                | Phoenix Secure Core UEFI  |
| <b>HUMIDITY</b>            | 93 % relative Humidity at 40 °C, non-condensing (according to IEC 60068-2-78)   |
| <b>OPTIONS</b>             | 1x PCIe x1 additional w/o onboard LAN, Trusted Platform Module TPM 1.2, ECC memory, eMMC Flash onboard, eDP instead of LVDS, General Purpose SPI instead of Boot SPI                      |
| <b>POWER MANAGEMENT</b>    | ACPI, S5 Eco  |
| <b>POWER SUPPLY</b>        | 4.75 V – 20 V Wide Range, Single Supply Power   |
| <b>SPECIAL FEATURES</b>    | POSCAP capacitors, GPIO/SDIO Switch, General Purpose SPI optional   |
| <b>OPERATING SYSTEM</b>    | Windows® 8, Windows® 7, Linux, VxWorks  |
| <b>TEMPERATURE</b>         | Commercial temperature: 0 °C to +60 °C operating, -30 °C to +85 °C non-operating<br>Industrial temperature: -40 °C to +85 °C operating, -40 °C to +85 °C non-operating                    |