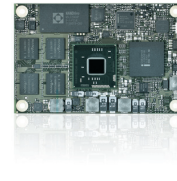
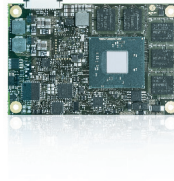


COM EXPRESS® mini

Tech Specs At-a-Glance



COM EXPRESS® mini

COMe-mBTi10

COMe-mBTc10

COMPLIANCE	COM Express® mini, Pin-out Type 10	COM Express® mini, Pin-out Type 10
DIMENSIONS (H X W X D)	84 x 55 mm	84 x 55 mm
CPU	Intel® Atom™ E3845, E3827, E3826, E3825, E3815	Intel® Atom™ E3815 Intel® Celeron® J1900, N2920, N2930, N2807
MAIN MEMORY	Up to 8GB DDR3L-1333 memory down (ECC optional)	Up to 8GB DDR3L-1333/1066 memory down (E3815ECC optional)
GRAPHICS CONTROLLER	Intel® HD Graphics (Gen7)	Intel® HD Graphics (Gen7)
ETHERNET CONTROLLER	Intel® I210IT	Intel® I211AT
ETHERNET	10/100/1000 MBit Ethernet	10/100/1000 MBit Ethernet
HARD DISK	2x SATA 3Gb/s	2x SATA 3Gb/s
FLASH ONBOARD	2 - 64GB eMMC	E3815 only: 2 - 64GB eMMC
PCI EXPRESS® / PCI SUPPORT	3x PCIe x1	3x PCIe x1
PANEL SIGNAL	DDI: DP++, LVDS: Single Channel 18/24bit or eDP	DDI: DP++, LVDS: Single Channel 18/24bit or eDP
USB	1x USB 3.0 (incl. USB 2.0), 3x USB 2.0 from CPU, 4x USB 2.0 from HSIC Hub	1x USB 3.0 (incl. USB 2.0), 3x USB 2.0 from CPU
SERIAL	2x serial interface (RX/TX only)	2x serial interface (RX/TX only)
AUDIO	Intel® High Definition Audio	Intel® High Definition Audio
COMMON FEATURES	SPI, LPC, SMB, Fast I ² C, Staged Watchdog, RTC, MARS	SPI, LPC, SMB, Fast I ² C, Staged Watchdog, RTC, MARS
BIOS	Phoenix Secure Core UEFI	Phoenix Secure Core UEFI
OPTIONS	1x PCIe x1 additional w/o onboard LAN, Trusted Platform Module TPM 1.2, ECC memory, eMMC Flash onboard (2-32GBSLC, 4-64GB MLC), eDP instead of LVDS, General Purpose SPI instead of Boot SPI, AES-NI	1x PCIe x1 additional w/o onboard LAN, Trusted Platform Module TPM 1.2, ECC memory, E3815 variant only: eMMC Flash onboard (2-32GBSLC, 4-64GB MLC), eDP instead of LVDS, General Purpose SPI instead of Boot SPI, AES-NI
POWER MANAGEMENT	ACPI, S5 Eco	ACPI, S5 Eco
POWER SUPPLY	4.75V – 20V Wide Range, Single Supply Power	4.75V – 20V Wide Range, Single Supply Power
SPECIAL FEATURES	POSCAP capacitors, GPIO/SDIO Switch, General Purpose SPI optional	POSCAP capacitors, GPIO/SDIO Switch, General Purpose SPI optional
OPERATING SYSTEM	Windows® 8, Windows® 7, WEBS, WES7, WEC7, Linux, VxWorks	Windows® 8, Windows® 7, WEBS, WES7, WEC7, Linux, VxWorks
TEMPERATURE	Industrial temperature: -40°C to +85°C operating	Commercial temperature: 0°C to +60°C operating



Find out more about our offering:

<http://www.kontron.com/products/boards-and-standard-form-factors/com-express>