

Datasheet

COMe-cBT6

Kontron

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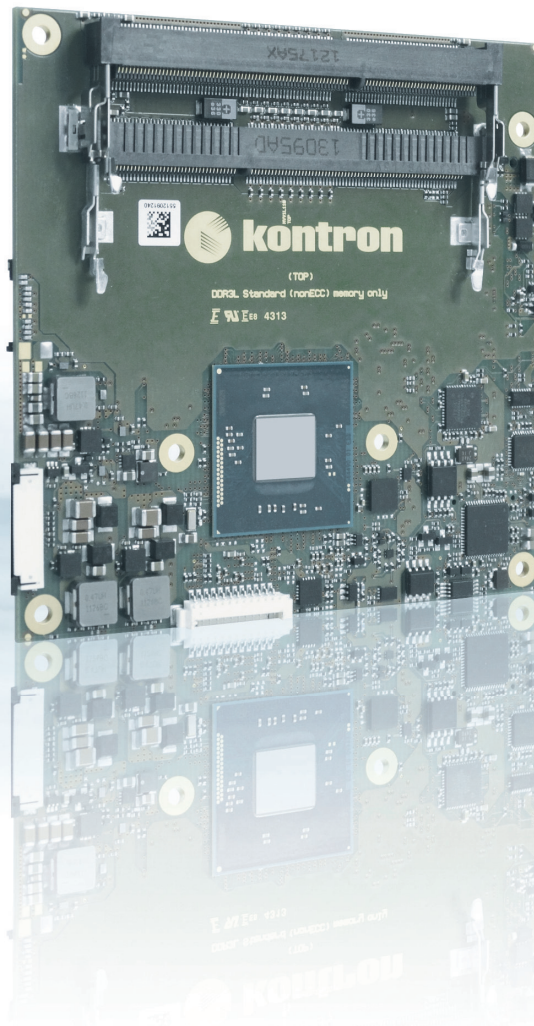
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COMe-cBT6



COM EXPRESS® COMPACT TYPE 6 WITH INTEL® ATOM™ E3800 & CELERON® SERIE

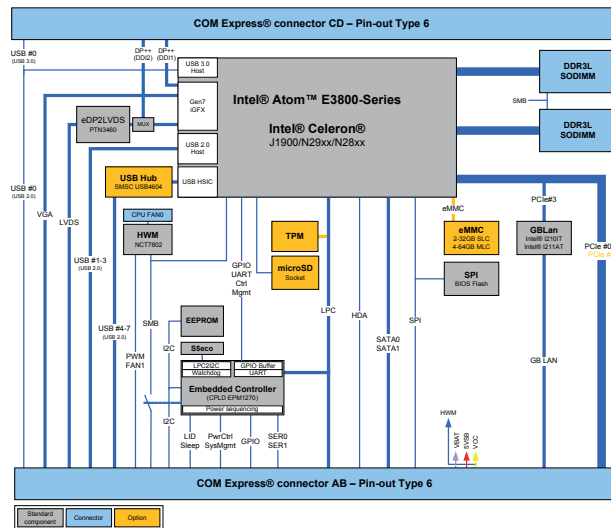
- ▶ Intel® Atom™ E3800 & Celeron® series
- ▶ up to 2x 4 GB DDR3L SODIMM dual channel
- ▶ up to 8x USB 2.0, 1x USB 3.0, eMMC Flash, 2x SATA, SD-Card
- ▶ industrial grade temperature

POSSIBILITIES START HERE



TECHNICAL INFORMATION

COMPLIANCE	COM Express® compact, Pin-out Type 6
DIMENSIONS (H X W X D)	95 x 95 mm
CPU	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
CHIPSET	-
MAIN MEMORY	2x DDR3L-1333 SODIMM up to 2x4GB
GRAPHICS CONTROLLER	Intel® HD Graphics (Gen7)
ETHERNET CONTROLLER	Intel® I210IT / I211AT
ETHERNET	10/100/1000 MBit Ethernet
HARD DISK	2x SATA 3Gb/s
FLASH ONBOARD	2 - 64GB eMMC, 1x microSD Socket
PCI EXPRESS® / PCI SUPPORT	3x PCIe x1
PANEL SIGNAL	DDI1: DP++, DDI2: DP++ (shared w/LVDS), DDI3: -, VGA: Yes, LVDS: Dual Channel 18/24bit
USB	1x USB 3.0 (incl. USB 2.0), 3x USB 2.0 from CPU, 4x USB 2.0 from HSIC Hub
SERIAL	2x serial interface (RX/TX only)
AUDIO	Intel® High Definition Audio
COMMON FEATURES	SPI, LPC, SMB, Fast I ² C, Staged Watchdog, RTC, MARS
BIOS	Phoenix Secure Core UEFI
HUMIDITY	93% relative Humidity at 40°C, non-condensing (according to IEC 60068-2-78)
OPTIONS	1x PCIe x1 additional w/o onboard LAN, Trusted Platform Module TPM 1.2, eMMC Flash onboard (2-32GB SLC, 4-64GB MLC), FSP + Coreboot, AES-NI
POWER MANAGEMENT	ACPI, S5 Eco
POWER SUPPLY	4.75V – 20V Wide Range, Single Supply Power
SPECIAL FEATURES	POSCAP capacitors, LVDS/DP Multiplexer
OPERATING SYSTEM	Windows® 8, Windows® 7, WEBS, WES7, WEC7, Linux, VxWorks
TEMPERATURE	Commercial temperature: 0°C to +60°C operating, -30°C to +85°C non-operating Industrial temperature: -40°C to +85°C operating, -40°C to +85°C non-operating



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