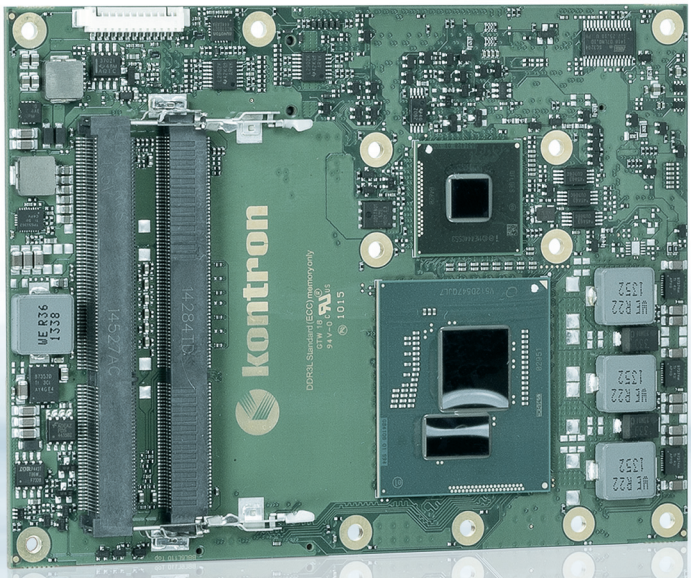
COMe-bBL6



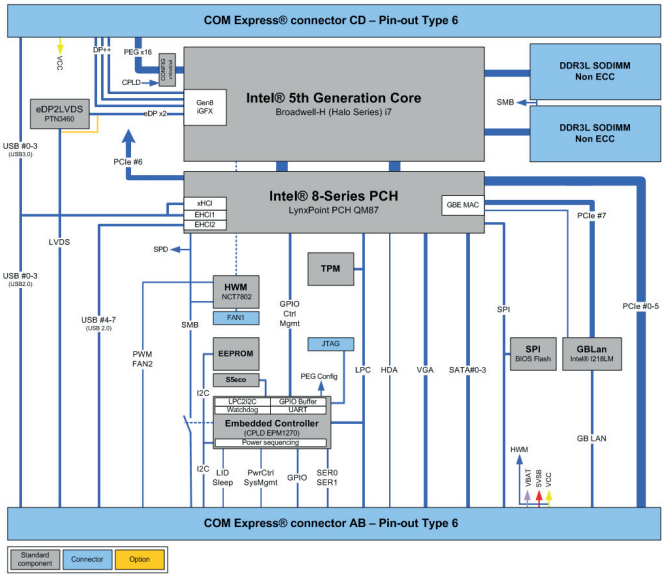
COM Express® BASIC TYPE 6
WITH 5th GENERATION INTEL® CORE™ PROCESSORS

- Intel® 5th Generation Core™ i7 with QM87
- with non-ECC DDR3L up to 16 GByte
- triple independent display support with 4k resolutions

POSSIBILITIES START HERE kontron

TECHNICAL INFORMATION

COMPLIANCE	COM Express® basic, Pin-out Type 6
DIMENSIONS (H X W)	125 x 95 mm
CPU	Intel® Core™ i7-5850EQ, Intel® Core™ i7-5700EQ
CHIPSET	Intel® Mobile QM87
MAIN MEMORY	2x DDR3L-1600 SO-DIMM up to 2x 8 GByte
GRAPHICS CONTROLLER	Intel® Iris™ Pro Graphics P6200 (GT3e), Intel® HD Graphics P5600 (GT2)
ETHERNET CONTROLLER	Intel® I218LM
ETHERNET	10/100/1000 MBit Ethernet
HARD DISK	QM87: 3x SATA 6Gb/s, 1x SATA 3Gb/s
FLASH ONBOARD	-
PCI EXPRESS® SUPPORT	7x PCIe x1, 1x PEG x16
PANEL SIGNAL	DDI1: DP++, DDI2: DP++, DDI3: DP++, VGA: Yes, LVDS: Dual Channel 18/24bit
USB	4x USB 3.0 (incl. USB 2.0) + 4x USB 2.0
SERIAL	2x serial interface (RX/TX only)
AUDIO	Intel® High Definition Audio
COMMON FEATURES	SPI, LPC, SMB, Fast I²C, 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, vPRO (AMT/TXT/AES Support), eDP instead of LVDS
POWER MANAGEMENT	ACPI 4.0, S5 Eco
POWER SUPPLY	8.5V – 20V Wide Range, Single Supply Power
SPECIAL FEATURES	POSCAP capacitors, Trusted Platfom Module TPM 1.2, 4k Resolutions, Flexible PEG lane configuration by Setup Option
OPERATING SYSTEM	Windows® 8, Windows® 7, WE8S, WES7, Linux, VxWorks
TEMPERATURE	Commercial temperature: 0° C to +60° C operating, -30° C to +85° C non-operating Extended temperature: -25° C to +75° C operating, -30° C to +85° C non-operating



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