

Datasheet

COMe-cSL6

Kontron

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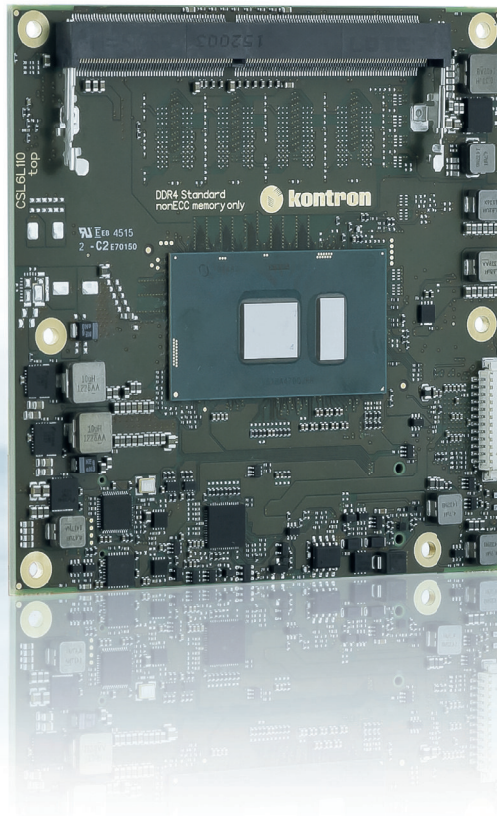
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COMe-cSL6



COM Express COMPACT TYPE 6 WITH 6th GENERATION Intel® Core™ PROCESSORS

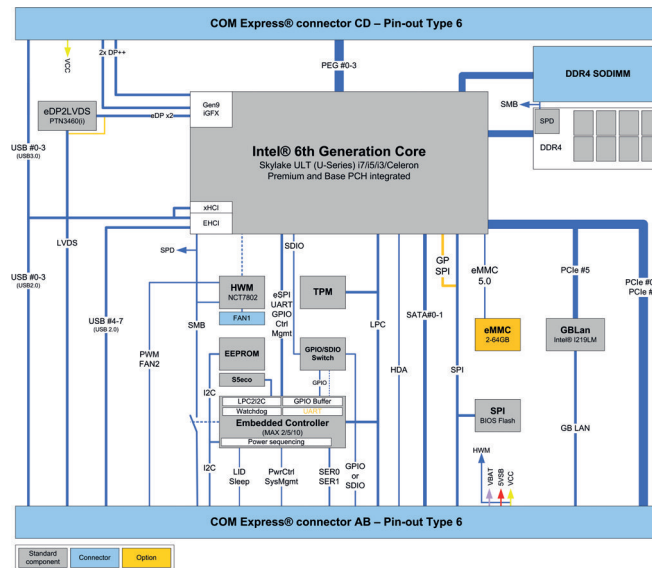
- ▶ COM Express® compact pin-out type 6 Computer-on-Module with 6th Generation Intel® Core™ Processors
- ▶ up to 24 GByte DDR4 memory (8 GByte DDR4 memory down)
- ▶ up to 10 lanes PCIe 3.0
- ▶ 4x USB 3.0, 2x SATA 6G

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® Core™ i7-6600U (2x 2.60 GHz, GT3, 15 W) Intel® Core™ i5-6300U (2x 2.40 GHz, GT3, 15 W) Intel® Core™ i3-6100U (2x 2.30 GHz, GT2, 15 W) Intel® Celeron® Processor 3955U
CHIPSET	Integrated SoC
MAIN MEMORY	1x DDR4 SO-DIMM up to 16 GByte, 2nd channel DDR4- memory down up to 8 GByte
GRAPHICS CONTROLLER	Intel® HD Graphics 520
ETHERNET CONTROLLER	Intel® I219LM
ETHERNET	10/100/1000 MBit Ethernet
HARD DISK	2x SATA 6Gb/s
FLASH ONBOARD	up to 32 GByte SLC eMMC (option)
PCI Express/ PCI SUPPORT	5x PCIe3.0 on PCIe lane 0-4 (3.0 only i5/ i7 SKUs) 5 controllers, 5 x1, 1 x4 + 1 x1 Option: 6 Lanes if no LAN 4x PCIe3.0 on PEG Lanes 0-3 (3.0 only i5/ i7 SKUs) 1 Controller, 1 x4 or 1 x2 or 1 x1, (Intel® RST)
PANEL SIGNAL	DDI1: DP++, DDI2: DP++, DDI3: -, VGA: -, LVDS: Dual Channel 18/24 bit
USB	4x USB 3.0/2.0, + 4x USB 2.0
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	AMI AptioV 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, eDP, 32 GByte eMMC, instead of LVDS, vPRO (AMT/TXT/AES Support)
POWER MANAGEMENT	ACPI 4.0, S5 Eco
POWER SUPPLY	8.5 V – 20 V Wide Range ATX, Single Supply Power
SPECIAL FEATURES	TPM 2.0, INFINEON SLB9665XQ2.0 POSCAP capacitors
SPECIFICATIONS	optional industrial grade -40 °C to +85 °C
OPERATING SYSTEMS	Windows®10 (64), Windows® 8.1 (64), Windows® 7, WEIB, Linux, VxWorks
TEMPERATURE	Commercial temperature: 0 °C to +60 °C operating, -30 °C to +85 °C non-operating -25 °C to +75 °C operating, -30 °C to +85 °C non-operating
SUPPORTED MODULES	36021-xxxx-xx-x: COMe-cBL6, commercial temperature



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