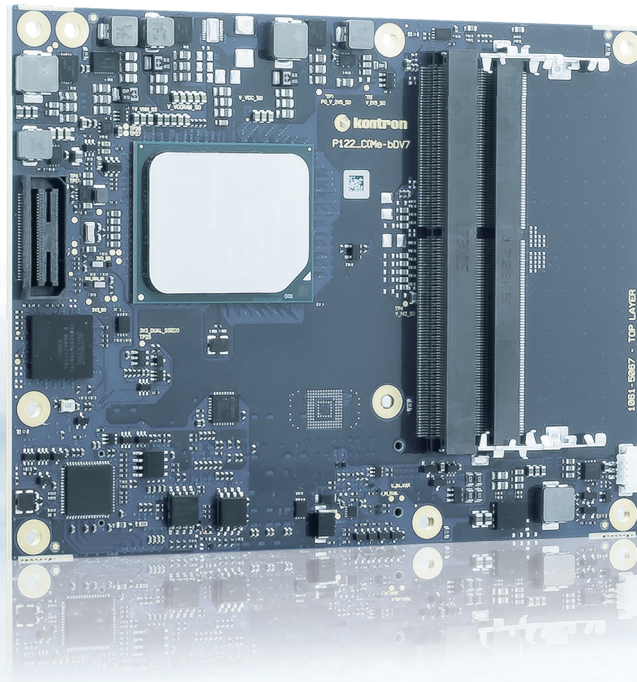


# COMe-bDV7

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## COM Express® Basic Type 7 with Intel Atom® C3000 SoC Processors

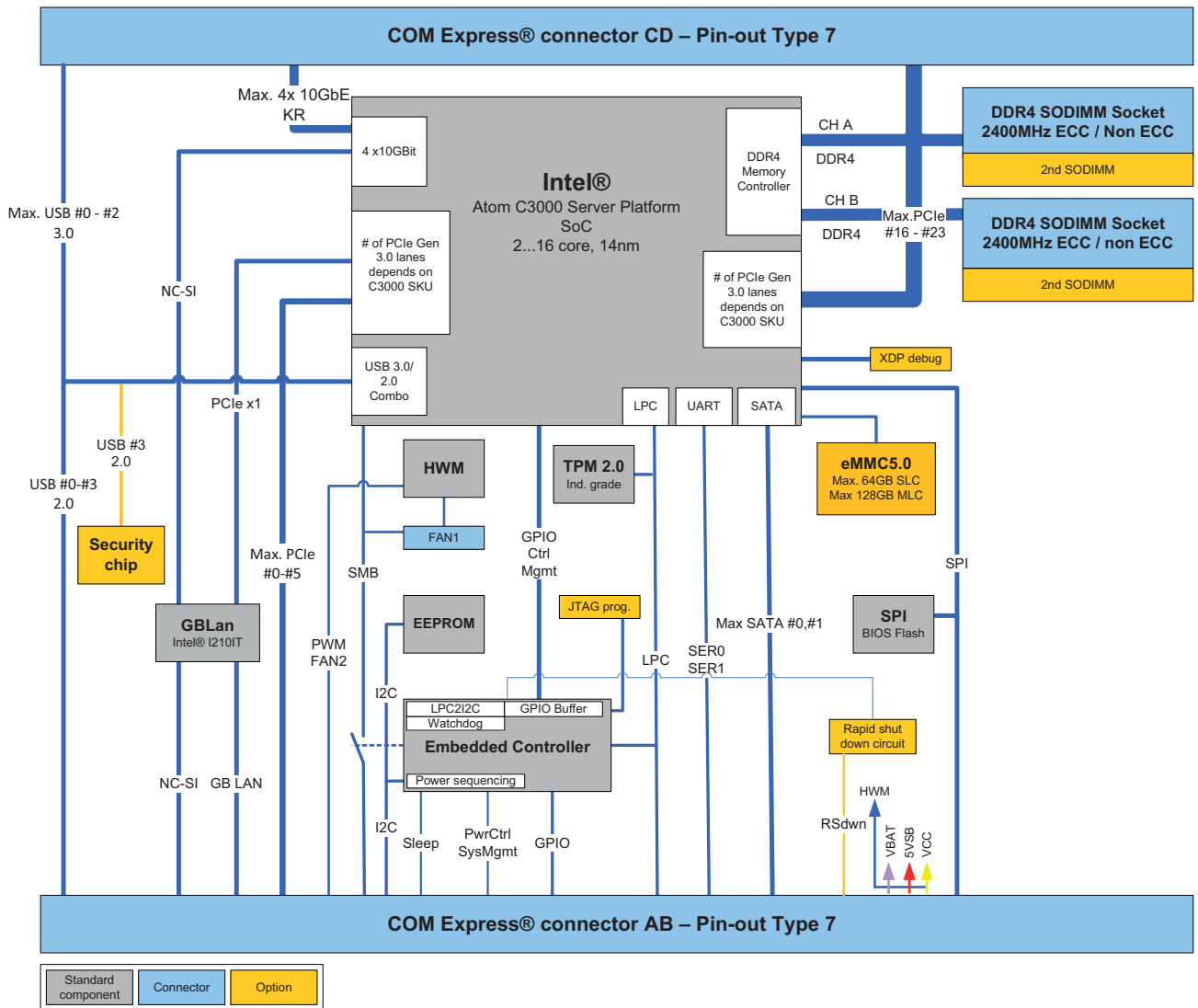
- ▶ Entry level server-grade platform
- ▶ Quad 10 GbE interfaces
- ▶ High-speed connectivity PCIe 3.0, SATA3, USB 3.0
- ▶ Industrial grade versions

POSSIBILITIES START HERE

## ► TECHNICAL INFORMATION

<b>COMPLIANCE</b>	COM Express® Basic, Pin-out Type 7
<b>DIMENSIONS (H x W x D)</b>	95 x 125 mm
<b>CPU (SoC)</b>	Commercial temperature: Intel® Atom® Processor C3958, 16C, 2.0GHz, 31W TDP Intel® Atom® Processor C3858, 12C, 2.0GHz, 25W TDP Intel® Atom® Processor C3758, 8C, 2.2GHz, 25W TDP Intel® Atom® Processor C3558, 4C, 2.2GHz, 16W TDP  Industrial temperature: Intel® Atom® Processor C3808, 12C, 2.0 GHz, 25 W TDP Intel® Atom® Processor C3708, 8C, 1.7 GHz, 17 W TDP Intel® Atom® Processor C3508, 4C, 1.5 GHz, 11 W TDP Intel® Atom® Processor C3308, 2C, 1.6 GHz, 9 W TDP
<b>MAIN MEMORY</b>	2x DDR4 SODIMM for up to 64 GByte ECC / non ECC on request: 4x DDR4 SODIMM for up to 128 GByte ECC / non ECC
<b>ETHERNET CONTROLLER</b>	Intel® I210IT Intel® Quad 10GbE LAN integrated in SoC
<b>ETHERNET</b>	1x 10/100/1000 MBit Ethernet Up to 4x 10GbE Interfaces (KR) – depending on C3000 SKU NC-SI support
<b>HARD DISK</b>	Up to 2x SATA3, 6Gb/s
<b>FLASH ONBOARD</b>	eMMC 5.0 up to 64 GByte SLC or 128 GByte MLC (build option)
<b>PCI Express®/ PCI SUPPORT</b>	Up to 14x PCIe 3.0 lanes – depending on C3000 SKU
<b>USB</b>	Up to 3x USB 3.0, 4x USB 2.0 (3x USB 2.0 with Security chip populated)
<b>SERIAL</b>	2x serial interface (RX/TX only)
<b>COMMON FEATURES</b>	SPI, LPC, SMB, Fast I <sup>2</sup> C, Staged Watchdog, RTC
<b>ON REQUEST</b>	eMMC size, additional 2 SODIMM sockets for overall 4 SODIMM sockets Security chip for Kontron security stack APPROTECT based on WIBU Systems
<b>POWER MANAGEMENT</b>	ACPI 4.0
<b>POWER SUPPLY</b>	ATX, 8.5 V – 20 V Wide Range, Single Supply Power
<b>SPECIAL FEATURES</b>	TPM 2.0
<b>HUMIDITY</b>	93 % relative at 40 °C, non-condensing (according to IEC 60068-2-78)
<b>TEMPERATURE</b>	Commercial grade Version Temperature 0 °C - 60 °C, Industrial grade Versions -40 °C to +85 °C
<b>BIOS</b>	AMI UEFI
<b>OPERATING SYSTEMS</b>	Linux, Windows® Server 2012/2016
<b>SUPPORTED MODULES</b>	COMe-bDV7 xxxxx commercial grade COMe-bDV7 E2 xxxxx industrial grade

► BLOCK DIAGRAM



► Global Headquarters

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