COMe-bBD7

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COM Express® basic Type 7 with Intel® Xeon® and Pentium® D-1500 SOC processors

▶ server-grade platform
▶ up to 64 GByte DDR4 ECC/non-ECC
▶ dual 10GbE interfaces
▶ high-speed connectivity 24x PCIe 3.0 + 8x PCIe 2.0, 4x USB 3.0, 2x SATA3
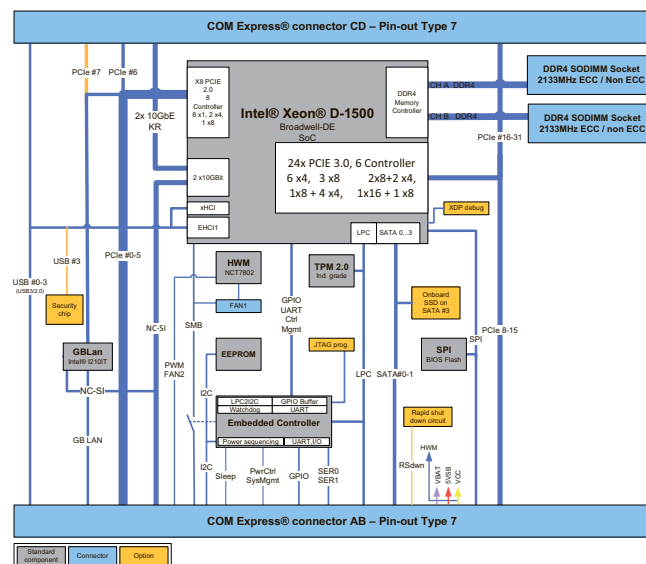▶ industrial grade versions

POSSIBILITIES START HERE **kontron**
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▶ TECHNICAL INFORMATION

COMPLIANCE	COM Express® Basic, Pin-out Type 7
DIMENSIONS (H x W x D)	95 x 125 mm
CPU (SoC)	Intel® Xeon® Processor D-1577, 16 C, 1.3 GHz, 24 MByte, 45 W, Intel® Xeon® Processor D-1548, 8 C, 2.0 GHz, 12 MByte, 45 W, Intel® Xeon® Processor D-1537, 8 C, 1.7 GHz, 12 MByte, 35 W, Intel® Xeon® Processor D-1528, 6 C, 1.9 GHz, 9 MByte, 35 W, Intel® Xeon® Processor D-1527, 4 C, 2.2 GHz, 6 MByte, 35 W, Intel® Pentium® Processor D1517, 4 C, 1.6 GHz, 6 MByte, 25 W, Intel® Pentium® Processor D1508, 2 C, 2.2 GHz, 3 MByte, 25 W, Intel® Xeon® Processor D-1559, 12 C, 1.5 GHz, 18 MByte, 45 W, ind. Temp Intel® Xeon® Processor D-1539, 8 C, 1.6 GHz, 12 MByte, 35 W, ind. Temp Intel® Pentium® Processor D1519, 4 C, 1.5 GHz, 6 MByte, 25 W, ind. Temp
MAIN MEMORY	2x DDR4 SODIMM dual channel up to 64 GByte ECC or non ECC
ETHERNET CONTROLLER	Intel® I210IT (uses one lane of PCIe 2.0) Intel® Dual 10GbE LAN integrated in SoC
ETHERNET	1x 10/100/1000 MBit Ethernet Dual 10GbE Interface (KR) and NC-SI
HARD DISK	2x SATA3, 6Gb/s
FLASH ONBOARD	SATA SSD up to 32 GByte (on request)
PCI Express®/ PCI SUPPORT	24x PCIe 3.0 (6 controllers, x16, x8, x4, x1 operation) 8x PCIe 2.0 (8 controllers, x8, x4, x1 configuration), one lane used by onboard 1 GbE LAN controller
USB	4x USB 3.0/2.0 (3x USB 3.0/2.0 with APPROTECT Security chip - based on WIBU systems technology - populated)
SERIAL	2x serial interface (RX/TX only)
COMMON FEATURES	SPI, LPC, SMB, Fast I²C, Staged Watchdog, RTC
BIOS	AMI UEFI
HUMIDITY	93 % relative Humidity at 40° C, non-condensing (according to IEC 60068-2-78)
ON REQUEST	Onboard SATA SSD up to 32 GByte SLC, APPROTECT Security chip - based on WIBU systems technology
POWER MANAGEMENT	ACPI 5.0
POWER SUPPLY	ATX, 8.5 V – 20 V Wide Range, Single Supply Power
SPECIAL FEATURES	Trusted Platfom Module TPM 2.0,
OPERATING SYSTEM	Linux, Windows® Server 2012 / 2012 R2 / 2016, Windows® 7, Windows® 10, VxWorks 7.x
TEMPERATURE	Commercial temperature 0 °C - 60 °C (COMe-bBD7) Industrial temperature -40 °C to +85 °C (COMe-bBD7R E2)
SUPPORTED MODULES	COMe-bBD7 xxxxx commercial grade COMe-bBD7R E2 xxxxx industrial grade

▶ GLOBAL HEADQUARTERS

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