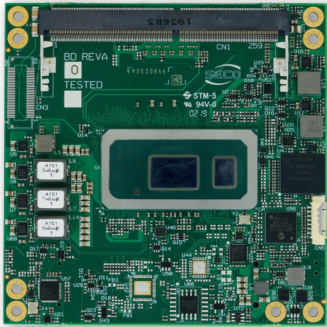




COMe-C55-CT6

COM Express™ 3.0 Compact Type 6 module with the 8th Gen Intel® Core™ and Celeron™ 4000 series processors (formerly Whiskey Lake)

Low power multi-core Intel® architecture for mobile applications



HIGHLIGHTS

CPU 8th Gen Intel® Core™ and Celeron™ 4000 series processors (formerly Whiskey Lake) with 15W TDP	CONNECTIVITY 4 x USB 3.1; 8 x USB 2.0, up to 8 x PCI-e x 1
GRAPHICS Intel® UHD Graphics 620	MEMORY Two DDR4 SO-DIMM Slots supporting DDR4-2400 Memory, up to 32GB



DEVELOPMENT SAMPLING PRODUCTION

MAIN FIELDS OF APPLICATION



FEATURES

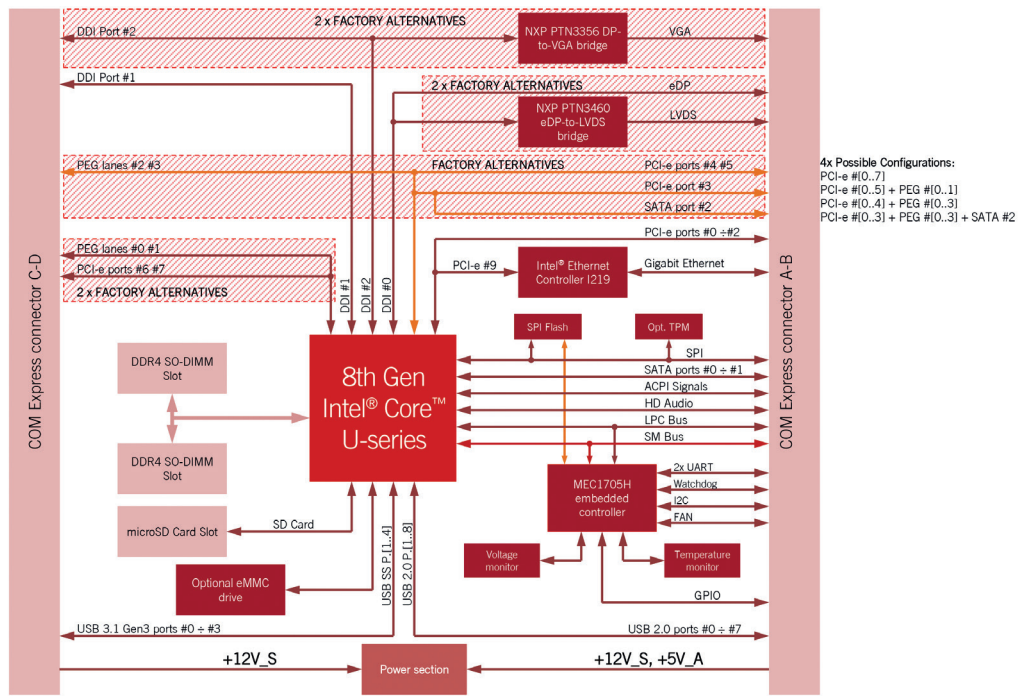
Processor Intel® Core™ i7-8665UE, Quad Core @ 1.7GHz with HT, 8MB Cache, 15W TDP (12.5W..25W cTDP) Intel® Core™ i5-8365UE, Quad Core @ 1.6GHz with HT, 6MB Cache, 15W TDP (12.5W..25W cTDP) Intel® Core™ i3-8145UE, Dual Core @ 2.2GHz with HT, 4MB Cache, 15W TDP (12.5W..25W cTDP) Intel® Celeron® 4305UE, Dual Core @ 2.0GHz, 2MB Cache, 15W TDP (cTDP 12.5W)	PCI-e Up to 8 x PCI-e x 1 lanes Optional PCI-express Graphics (PEG) x2 or x4 Possible configurations: • 8 ports PCI-e x1 • 6 ports PCI-e x1 + PEG x2 • 5 ports PCI-e x1 + PEG x4 • 4 ports PCI-e x1 + PEG x4 + 3rd SATA
Max Cores 4	Audio HD Audio Interface
Max Thread 8	Serial Ports 2x UARTs
Memory Two DDR4 SO-DIMM Slots supporting DDR4-2400 Memory, up to 32GB	Other Interfaces SPI, I2C, SM Bus, LPC bus, FAN management Optional TPM 2.0 module on-board LID#/SLEEP#/PWRBTN#, Watchdog 4x GPI, 4 x GPO
Graphics Intel® UHD Graphics 620 Up to 3 independent display supported DirectX 12, OpenGL 4.5, and OpenCL 2.1 support HW accelerated video decode MPEG2, VC1/WMV9, AVC/H.264, VP8, JPEG/MJPEG, HEVC/H.265 (8 and 10 bits), VP9 HW accelerated video encode MPEG2, AVC/H.264, VP8, JPEG, HEVC/H.265, VP9	Power Supply +12V _{DC} ± 10% and +5V _{SB} (optional)
Video Interfaces Up to 2 x Digital Display Interfaces (DDIs), supporting DP 1.2, eDP 1.4, HDMI 1.4 and DVI eDP or Single/Dual-Channel 18-/24-bit LVDS interface Optional VGA interface (excludes DDI port #2)	Operating System Microsoft Windows 10 Enterprise / IoT Linux Yocto
Video Resolution eDP, DP: up to 4096 x 2304 @60Hz HDMI: up to 4096 x 2160 @30Hz LVDS: up to 1920 x 1200 @ 60Hz VGA: up to 2048 x 1536 @ 50Hz (reduced blanking)	Operating Temperature* 0°C ÷ +60°C (Commercial version)
Mass Storage Up to 3 x S-ATA Gen3 Channels Optional eMMC 5.1 drive on-board microSD Card slot on-board	Dimensions 95 x 95 mm (Com Express™ Compact Form factor, Type 6 pinout)
Networking Gigabit Ethernet interface Intel® I219-LM GbE Controller	*Measured at any point of SECO standard heatspreader for this product, during any and all times (including start-up). Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider application-specific cooling solutions for the final system to keep the heatspreader temperature in the range indicated.
USB 4 x USB 3.1 Host ports 8 x USB 2.0 Host ports	



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BLOCK DIAGRAM



Information subject to change. Please visit www.seco.com to find the latest version of this datasheet.

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