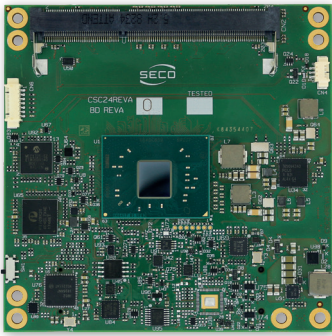




COMe-C24-CT6 COM Express® 3.0 Compact Type 6 Module with the Intel® Atom™ X Series, Intel® Celeron® J / N Series and Intel® Pentium® N Series (formerly Apollo Lake) Processors

Rugged solution for industrial environment



HIGHLIGHTS

CPU Intel® Atom™ X Series, Intel® Celeron® J / N Series and Intel® Pentium® N Series (formerly Apollo Lake) Processors	CONNECTIVITY 4x USB 3.0; 8x USB 2.0; 5x PCI-e x1 Gen2
GRAPHICS Intel® HD Graphics 500 series controller with up to 18 Execution Units	MEMORY Two DDR3L SO-DIMM Slots supporting DDR3L-1866 non-ECC Memory

Available in Industrial Temperature Range



MAIN FIELDS OF APPLICATION



FEATURES

Processor Intel® Atom™ x5-E3930 Dual Core @1.3 GHz (Burst 1.8GHz), 2MB L2 Cache, 6.5W TDP Intel® Atom™ x5-E3940 Quad Core @1.6 GHz (Burst 1.8GHz), 2MB L2 Cache, 9.5W TDP Intel® Atom™ x7-E3950 Quad Core @1.6 GHz (Burst 2.0GHz), 2MB L2 Cache, 12W TDP Intel® Pentium® N4200 Quad Core @1.1GHz (Burst 2.5GHz), 2MB L2 Cache, 6W TDP Intel® Celeron® N3350 Dual Core @1.1GHz (Burst 2.4GHz), 2MB L2 Cache, 6W TDP Intel® Celeron® J3455 , Quad Core @1.5GHz (Burst 2.3GHz), 2MB L2Cache, 10W TDP Intel® Celeron® J3355 , Dual Core @2.0GHz (Burst 2.5GHz), 2MB L2Cache, 10W TDP	Mass Storage Optional eMMC 5.0 drive soldered on-board 2 x external S-ATA Gen3 Channels microSD Card Slot onboard
Max Cores 4	Networking Optional Gigabit Ethernet interface Intel® I210 or I211 GbE Controller (MAC + PHY)
Max Thread 4	USB Up to 4 x USB 3.0 Host ports 8 x USB 2.0 Host ports
Memory Two DDR3L SO-DIMM Slots supporting DDR3L-1866 non-ECC Memory, up to 8GB	PCI-e Up to 5 x PCI-e x 1 Gen2 lanes
Graphics Integrated Intel® HD Graphics 500 series controller with up to 18 Execution Units Three Independent displays supported HW decoding of HEVC(H.265), H.264, MVC, VP8, VP9, MPEG2, VC-1, WMV9, JPEG/MJPEG formats HW encoding of HEVC(H.265), H.264, MVC, VP8, VP9 and JPEG/MPEG formats	Audio HD Audio Interface
Video Interfaces Up to 2 x Digital Display Interfaces (DDIs), supporting DP 1.2, DVI and HDMI 1.4b eDP 1.3 or Single/Dual-Channel 18-/24-bit LVDS interface optional VGA interface through a DP-to-VGA bridge	Serial Ports 2x UARTs
Video Resolution DP: Up to 4096 x 2160 @60HZ eDP: Up to 3840 x 2160 @60HZ HDMI: Up to 3840 x 2160 @30HZ LVDS, VGA: Up to 1920 x 1200 @ 60HZ	Other Interfaces SPI, I2C, SM Bus, Thermal Management, FAN management LPC bus Optional TPM 2.0 on-board LID#/SLEEP#/PWRBTN#, Watchdog 4x GPI, 4 x GPO
	Power Supply +12V _{DC} ± 10% and +5V _{SB} (optional)
	Operating System Microsoft® Windows 10 Enterprise (64-bit) Microsoft® Windows 10 IoT core Wind River Linux (64 bit) Yocto (64 bit) Android (planning)
	Operating Temperature* 0°C ÷ +60°C (Commercial version) -40°C ÷ +85°C (Industrial version)
	Dimensions 95 x 95 mm (Com Express™ Compact Form factor, Type 6 pinout)

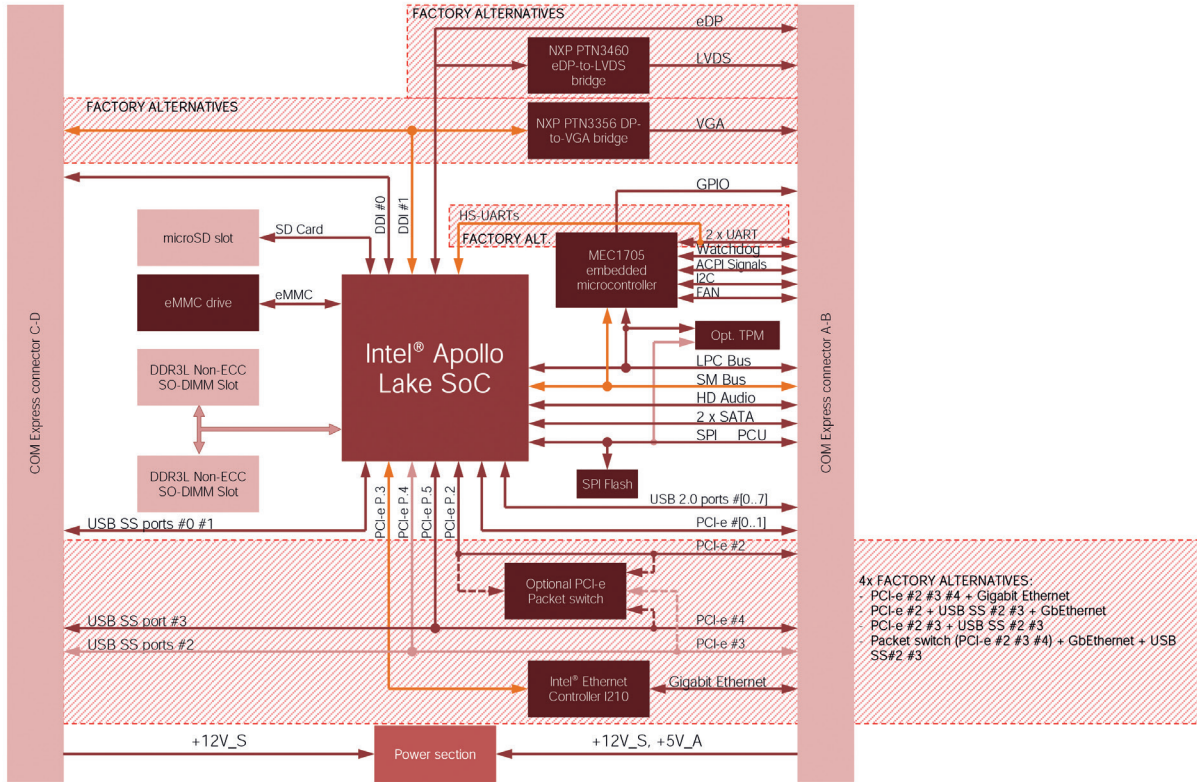
*Measured at any point of SECO standard heatspreader for this product, during any and all times (including start-up). Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider application-specific cooling solutions for the final system to keep the heatspreader temperature in the range indicated.



COMe-C24-CT6

COM Express® 3.0 Compact Type 6 Module with the Intel® Atom™ X Series, Intel® Celeron® J / N Series and Intel® Pentium® N Series (formerly Apollo Lake) Processors

BLOCK DIAGRAM



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

050.21