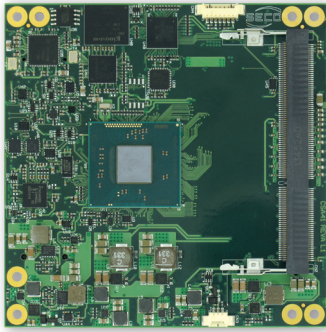




COMe-A41-CT6

COM Express™ Compact Type 6 with Intel® Atom™ E3800 and Celeron® families (formerly Bay Trail)

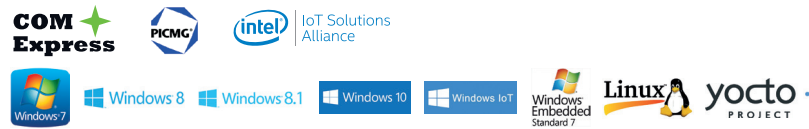
Versatile and rugged



HIGHLIGHTS

CPU Intel® Atom™ E3800 and Celeron® families	CONNECTIVITY 4x USB 3.0; 7x USB 2.0; 4x PCI-e x1 Gen2
GRAPHICS Integrated Intel® HD Graphics 4000 Series controller	MEMORY 2x DDR3L SO-DIMM slots, up to 8GB

Available in Industrial Temperature Range



DEVELOPMENT | SAMPLING | PRODUCTION

MAIN FIELDS OF APPLICATION



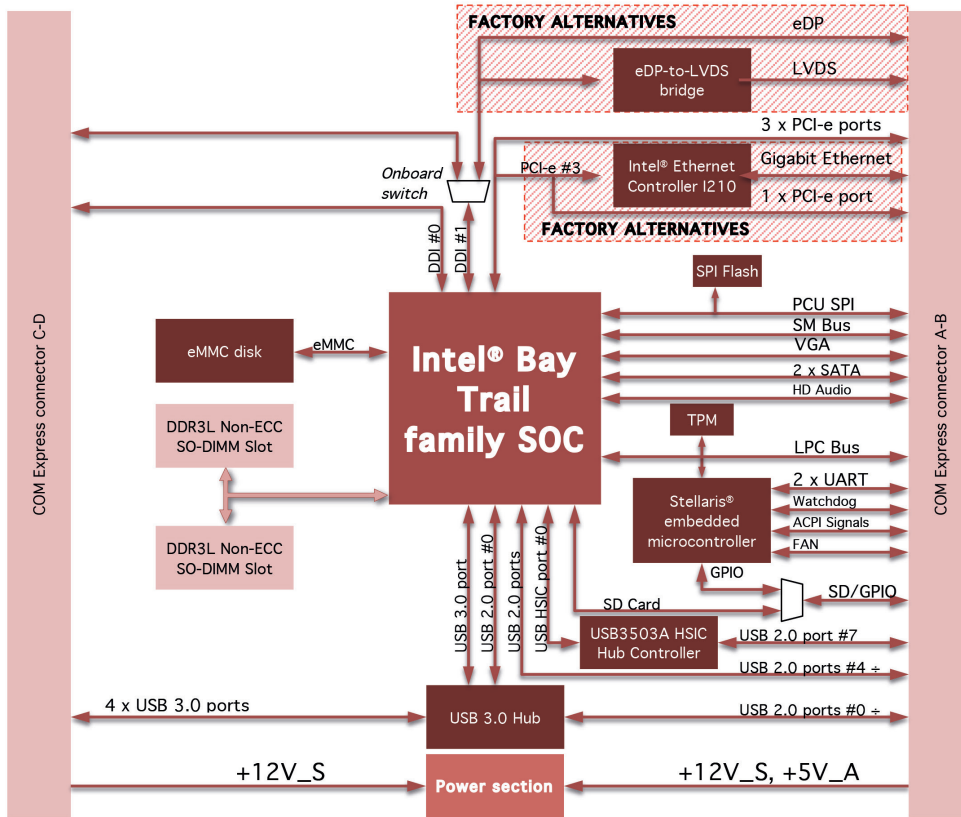
FEATURES

Processor Intel® Atom™ E3845 , Quad Core @1.91GHz, 2MB Cache, 10W TDP Intel® Atom™ E3827 , Dual Core @1.75GHz, 1MB Cache, 8W TDP Intel® Atom™ E3826 , Dual Core @1.46GHz, 1MB Cache, 7W TDP Intel® Atom™ E3825 , Dual Core @1.33GHz, 1MB Cache, 6W TDP Intel® Atom™ E3815 , Single Core @1.46GHz, 512KB Cache, 5W TDP Intel® Celeron® J1900 , Quad Core @2.0GHz, 2MB Cache, 10W TDP Intel® Celeron® N2930 , Quad Core @1.83GHz, 2MB Cache, 7.5W TDP	Audio HD Audio interface
Max Cores 4	PCI-e Up to 4 x PCI-e x1 Gen2 lanes
Memory DDR3L non-ECC SO-DIMM slots, 4GB modules supported per each slot E3845, E3827, J1900, N2930: up to 8GB Dual-Channel DDR3L 1333MHz E3826: up to 8GB Dual-Channel DDR3L 1066MHz N2807: up to 4GB Single-Channel DDR3L 1333MHz E3825, E3815: up to 4GB Single-Channel DDR3L 1066MHz	Serial Ports 2 x Serial ports (TX / RX only, TTL interface)
Graphics Integrated Intel® HD Graphics 4000 series controller Dual independent display support HW decoding of H.264, MPEG2, MVC, VC1, VP8, MJPEG formats HW encoding of H.264, MPEG2 and MVC formats	Other Interfaces 2 x Express Card interfaces I2C Bus LPC Bus SM Bus 4 x GPI, 4 x GPO Thermal / FAN management Watch Dog timer Power Management Signals
Video Interfaces 1 x Digital Display Interface (DDI) able to drive HDMI / DVI / DP++ interface Additional DDI, can be switched to manage embedded Display Port or 18 / 24 bit single / dual channel LVDS interface CRT interface	Power Supply +12V _{DC} ± 10% and + 5V _{SB} (optional)
Video Resolution CRT Interface: Up to 2560x1600@60Hz HDMI: Up to 1920x1080p@60Hz Display Port, eDP: Up to 2560x1600@60Hz Optional LVDS interface: Up to 1920x1200@60Hz	Operating System Microsoft® Windows 7 (32/64 bit) Microsoft® Windows 8 (32/64 bit) Microsoft® Windows 8.1 (32/64 bit) Microsoft® Windows 10 (32/64 bit) Microsoft® Windows 10 IoT Microsoft® Windows Embedded Standard 7 (32/64 bit) Linux (32/64 bit) Yocto
Mass Storage Optional eMMC drive soldered on-board 2 x external SATA channels SD Card interface (multiplexed with GPIO signals)	Operating Temperature* 0°C ÷ +60°C (Commercial version) -40°C ÷ +85°C (Industrial version)
Networking Optional Gigabit Ethernet interface (uses one PCI-e lane)	Dimensions 95 x 95 mm (Com Express™ Compact Form factor, Type 6 pinout, 3.74" x 3.74")
USB 7 x USB 2.0 Host ports 4 x USB 3.0 Host ports	*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-A41-CT6

COM Express™ Compact Type 6 with Intel® Atom™ E3800 and Celeron® families (formerly Bay Trail)

BLOCK DIAGRAM



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

002.20

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