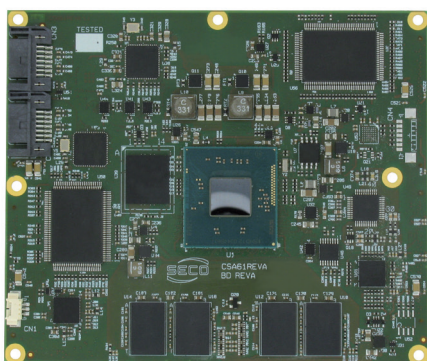




X86

SECOME-BT

ETX® Module with the Intel® Atom™ E3800 and Celeron® families ("Bay Trail") System-on-Chip



CPU

Intel® Atom™ E3800 and Celeron® families ("Bay Trail")



Memory

DDR3L memory soldered onboard



Graphics

Integrated Intel HD graphics controller
Dual independent display support



Temperature

0°C ÷ +60°C (commercial version)
Optionally available in -40°C ÷ +85°C industrial temperature range

FEATURES

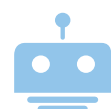
	Processor	Intel® Atom E3845, Quad Core @1.91GHz, 2MB Cache, 10W TDP Intel® Atom E3827, Dual Core @1.75GHz, 1MB Cache, 8W TDP Intel® Atom E3826, Dual Core @1.46GHz, 1MB Cache, 7W TDP Intel® Atom E3825, Dual Core @1.33GHz, 1MB Cache, 6W TDP Intel® Atom E3815, Single Core @1.46GHz, 512KB Cache, 5W TDP Intel® Celeron® J1900, Quad Core @2.0GHz, 2MB Cache, 10W TDP Intel® Celeron® N2930, Quad Core @1.83GHz, 2MB Cache, 7.5W TDP Intel® Celeron® N2807, Dual Core @1.58GHz, 1MB Cache, 4.3W TDP	
	Max Cores	4	
	Max Thread	4	
	Memory	DDR3L memory soldered onboard 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	
	Graphics	Integrated Intel® HD Graphics 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	
	Video Interfaces	Analog VGA interface Single/Dual Channel 18/24bit LVDS interface VESA and JEIDA color map compatible	
	Video Resolution	VGA Interface,	up to 2560 x 1600 @ 60Hz
		LVDS	up to 1920 x 1200 @ 60Hz
	Mass Storage	Optional eMMC soldered onboard 2 P-ATA ports OR 2 S-ATA channels OR 1 P-ATA + 1 S-ATA channels (factory options) µSD Card Slot onboard	
	Networking	External 10/100Mbps Ethernet interface, managed by an Intel® I210/I211 PCI-e Ethernet controller	
	USB	4 x USB 2.0 Host ports	
	Audio	HD Audio internal Codec Realtek ALC262	
	Serial Ports	2 x Tx/Rx/RTS/CTS COM ports, TTL voltage level	
	Other Interfaces	ISA Bus PCI bus PS/2 Mouse + Keyboard LPT parallel port or Floppy Disk interface (shared pins) I2C Bus SM Bus Watch Dog Timer	
	Power Supply	+5V _{DC} and +5V _{SB} (optional)	
	Operating System	Microsoft® Windows® 7 (32/64 bit) Microsoft® Windows® 8.1 (32/64 bit) Microsoft® Windows® Embedded Standard 7 (32/64 bit) Microsoft® Windows® Embedded Standard 8 (32/64 bit) Microsoft® Windows® Embedded Compact 7 Linux (32/64 bit)	
	Operating Temperature*	0°C ÷ +60°C (commercial version) Select boards can work in -40°C ÷ +85°C temperature range, on specific customer request	
	Dimensions	114x95 mm (4.5" x 3.7")	

HIGHLIGHTS

- Intel® Atom™ E3800 and Celeron® families ("Bay Trail")
- Rugged design (DDR3L memory soldered onboard, exclusively ceramic capacitors, high quality AEC-Q200 grade inductors)
- State-of-the-art replacement solution for legacy projects in ETX form factor with dual channel memory
- Onboard eMMC for storage and operating system booting support



MAIN FIELDS OF APPLICATION



Robotics



Automotive



Military



Surveillance

Biomedical/
Medical devicesIndustrial Automation
and Control

Automation



HMI



Avionics

Please visit www.seco.com for thermal dissipation information

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