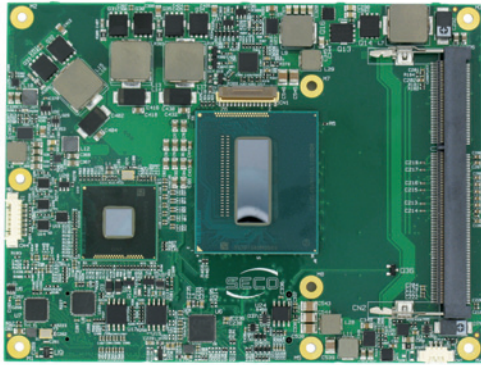




X86

SECOMExp-HSW

COM-Express™ Type 6 Module with the Intel® Haswell family CPUs and the QM87 Chipset



CPU

Intel® Haswell family CPUs



Memory

up to 16GB DDR3L-1600 on two SO-DIMMS



Graphics

Integrated Intel HD Graphics 4600 controller



Temperature

Available in commercial version, 0°C ÷ +60°C

FEATURES

	Processor	Intel® Core™ i3-4100E, Dual Core with HT @ 2.4GHz, 3MB Cache, 37W TDP Intel® Core™ i3-4102E, Dual Core with HT @ 1.6GHz, 3MB Cache, 25W TDP Intel® Core™ i5-4400E Dual Core with HT @ 2.7GHz, 3MB Cache, 37W TDP Intel® Core™ i5-4402E Dual Core with HT @ 1.6GHz, 3MB Cache, 25W TDP Intel® Core™ i7-4700EQ Quad Core with HT @ 2.4GHz, 6MB Cache, 47W TDP Intel® Celeron® 2002E Dual Core @ 1.5GHz, 3MB Cache, 25W TDP Intel® Celeron® 2000E Dual Core @ 2.2GHz, 3MB Cache, 37W TDP
	Max Cores	4
	Chipset	Intel® QM87 Chipset
	Memory	up to 16GB 1.35V DDR3L-1600 on two SO-DIMMs, supporting dual channel
	Graphics	integrated Intel HD Graphics 4600 controller Up to 3 independent displays supported DirectX® 11.1, OpenGL 4.0 supported
	Video Interfaces	CRT interface 3 x HDMI / DVI / multimode Display Port interfaces embedded Display Port (eDP) OR Single/Dual Channel 18/24bit LVDS (factory options) PCI Express graphics (PEG) x16 interface
	Video Resolution	CRT Interface, up to 1920 x 1200 @ 60Hz HDMI, up to 4096x2304 @ 24Hz / 2560x1600 @ 60Hz DVI, up to 1920x1200 @ 60Hz Display Port, up to 3840 x 2160 @ 60Hz LVDS, eDP, up to 1920 x 1200 @ 60Hz
	Mass Storage	4 x S-ATA channels
	Networking	Gigabit Ethernet interface Supports remote management (Intel® AMT Technology)
	USB	8 x USB 2.0 ports 4 x USB 3.0 ports
	PCI-e	7 x PCI Express x1 ports (configurable as 1 PCI-e x4 + 3 PCI-e x1)
	Audio	HD Audio Interface
	Other Interfaces	2 x Express Card Interfaces LPC Bus, I²C Bus, SM Bus 4 x GPI, 4 x GPO Watch Dog Timer FAN management Optional TPM onboard
	Power Supply	+12V _{DC} and +5V _{SB} (optional)
	Operating System	Microsoft® Windows® 7 (32/64 bit) Microsoft® Windows® 8 (32/64 bit) Microsoft® Windows® Embedded Standard 7 (32/64 bit) Microsoft® Windows® Embedded Standard 8 (32/64 bit)
	Operating Temperature	0°C ÷ +60°C (commercial version)
	Dimensions	125 x 95 mm (COM Express Basic, 4.92" x 3.74")

HIGHLIGHTS

- High performance computing and graphics (supports enhanced high-end media and graphics capabilities and performance)

**COM
Express**



MAIN FIELDS OF APPLICATION



Biomedical/
Medical
devices



Gaming



HMI



Digital Signage
- Infotainment

Please visit www.seco.com for thermal dissipation information

*Measured at any point of the heatspreader/heatsink 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.



www.seco.com