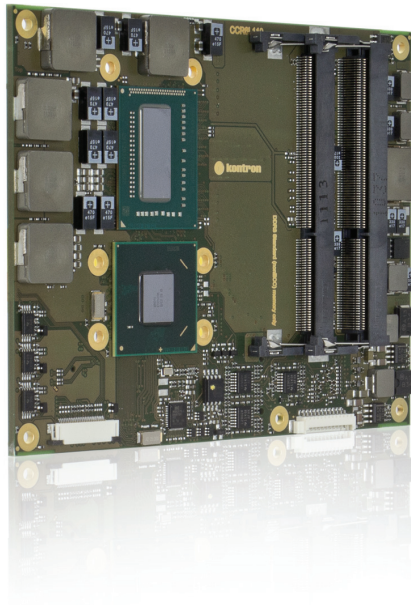


» COMe-bIP# «



3rd Generation for Intel® Core™ i-Series

- » Triple Independent Display with Integrated GMA
- » Intel® Core™ i-CPUs with QM77 and Celeron®-CPUs with HM76
- » COM Express® basic Type 2 or Type 6 pin-out
- » 4x USB 3.0, PCIe Gen 3.0, DirectX® 11

Technical Information

	COMe-bIP2 COM Express® basic, Pin-out Type 2 (38020-0000-xx-x)	COMe-bIP6 COM Express® basic, Pin-out Type 6 (38021-0000-xx-x)
CPU	Intel® Core™ i7-3615QE, i7-3612QE, i7-3555LE, i7-3517UE, i5-3610ME, i3-3210ME, i3-3217UE, Celeron® 1020E, Celeron® 1047UE, Celeron® 927UE	
Chipset	Intel® Mobile QM77 (i7, i5, i3 CPUs), Intel® HM76 (Celeron® CPUs)	
Memory	Up to 2x 8 GB DDR3 (1333/1600 MHz)	
Hard Disk	2x SerialATA with 6 Gb/s, 2x SerialATA 3 Gb/s, 1x PATA	2x SerialATA with 6 Gb/s, 2x SerialATA 3 Gb/s
USB	8x USB 2.0 (UHCI/EHCI)	4x USB 3.0 (XHCI, fully compatible to USB 2.0), 4x USB 2.0 (UHCI/EHCI)
PCI	Rev. 2.3 @ 33 MHz	-
PCI Express	5 PCI Express x1 lanes, 1 PEG x16 (i7, i5, i3 CPUs)	7 PCI Express x1 lanes, 1 PEG x16 (i7, i5, i3 CPUs)
Ethernet	10/100/1000 MBit Ethernet, Intel® 82579	
Sound	Intel® High Definition Audio	
Graphics Controller	Integrated Intel® GMA HD 4000 iGFX, Triple Independent Display, Support for BluRay 2.0, AVC/H.264, VC1, WMV9, OpenGL 4.0, DirectX® 11, OpenCL 1.1	
Graphics Memory	Up to 1700 MB DVMT	
Display Interfaces	3x DP++ (HDMI/DVI/DisplayPort) including 1x eDP, 1x SDVO support All 3 DP++ interfaces multiplexed with PEG. 1x CRT up to 2048x1536 1x Dual Channel LVDS 1/2x18/24 bit up to 1600x1200	3x DP++ (HDMI/DVI/DisplayPort) including 1x eDP, 1x SDVO support 1x CRT up to 2048x1536 1x Dual Channel LVDS 1/2x18/24 bit up to 1600x1200
Operating Systems	Windows® 8 planned, Windows® 7, Windows Vista®, Windows® XP, Windows Embedded Standard 7 (WES7), Linux, VxWorks	
Security Features	Infineon TPM 1.2	
Other Features	POSCAP capacitors, ACPI 3.0, SPI, LPC, Staged Watchdog, RTC, S5 Eco, Fast I²C, 2x Serial Ports (RX/TX), S5 Eco, I²C, Staggered Watchdog, MARS, EAPI	
Form Factor	125 x 95 mm COM Express® basic, COM Express® Pin-out Type 2	125 x 95 mm COM Express® basic, COM Express® Pin-out Type 2
Power Supply	8.5V – 20V Wide Range Single Power Supply	
Temperature(*)	Operation: 0°C to 60°C, Storage: -30°C to 85°C	
Humidity	Operation: 10% to 90%, Storage: 5% to 95% (non-condensing)	

Ordering Information

Article	Part No.	Description
COMe-bIP# i7-3615QE	3802x-0000-23-4	Intel® Core i7-3615QE, 4x 2.3 GHz, Intel® QM77
COMe-bIP# i7-3612QE	3802x-0000-21-4	Intel® Core i7-3612QE, 4x 2.1 GHz, Intel® QM77
COMe-bIP# i7-3555LE	3802x-0000-25-2	Intel® Core i7-3555LE, 2x 2.5 GHz, Intel® QM77
COMe-bIP# i7-3517UE	3802x-0000-17-2	Intel® Core i7-3517UE, 2x 1.7 GHz, Intel® QM77
COMe-bIP# i5-3610ME	3802x-0000-27-2	Intel® Core i5-3610ME, 2x 2.7 GHz, Intel® QM77
COMe-bIP# i3-3210ME	3802x-0000-24-2	Intel® Core i3-3210ME, 2x 2.4 GHz, Intel® QM77
COMe-bIP# i3-3217UE	3802x-0000-16-2	Intel® Core i3-3217UE, 2x 1.6 GHz, Intel® QM77
COMe-bIP# 1020E	3802x-0000-22-1	Intel® Celeron® 1020E, 2x 2.2 GHz, Intel® HM76
COMe-bIP# 1047UE	3802x-0000-14-1	Intel® Celeron® 1047UE, 2x 1.4 GHz, Intel® HM76
COMe-bIP# 927UE	3802x-0000-15-0	Intel® Celeron® 927UE, 1x 1.5 GHz, Intel® HM76

Note: Please replace the x inside the article no. Example: Order 38020-0000-23-4 to get a COM Express® Type 2 module, order 38021-0000-23-4 to get a Type 6 module.

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