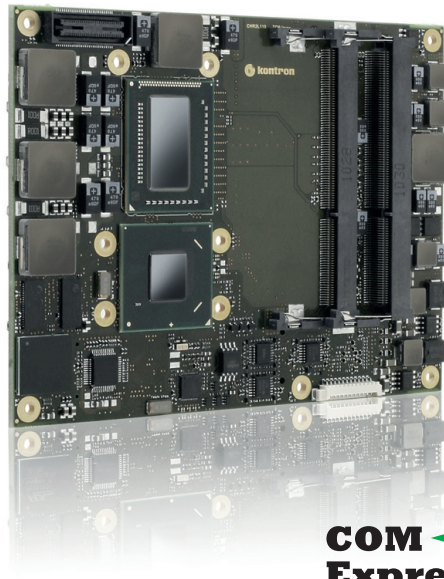


» COMe-bSC# «



COM 
Express®



Quad Core Performance and USB 3.0 on COM Express®

- » COM Express® basic Type 2 or Type 6 pin-out
- » 2nd Generation Intel® Core™ i7/i5/i3 and Celeron® with QM67/HM65
- » Up to 16 GB DDR3 with ECC support
- » USB 3.0 and DP++ graphic interfaces

Technical Information

	COMe-bSC2 COM Express® basic, Pin-out Type 2 (38013-0000-xx-x)	COMe-bSC6 COM Express® basic, Pin-out Type 6 (38014-0000-xx-x)
Processor	Intel® Core™ i7/i5 (Hyperthreading and Turbo mode), Intel® Core™ i3 (Hyperthreading), Intel® Celeron®	
Chipset	Intel® Mobile QM67 (i3, i5, i7), Intel® HM65 PCH (Celeron versions)	
Memory	Up to 16 GB DDR3 SODIMM (800/1066/1333 MHz), Dual channel with ECC support	
Hard Disk	2x SATA with 6Gb/s, 2x SATA 3Gb/s, 1x PATA	2x SATA with 6Gb/s, 2x SATA with 3Gb/s
USB	8x USB 2.0 (UHCI/EHCI) Celeron® versions: 6x USB 2.0 (UHCI/EHCI)	2x USB 3.0 (XHCI, fully compatible to USB 2.0) and 6x USB 2.0 Celeron® versions: 6x USB 2.0 (UHCI/EHCI)
PCI	PCI Rev 2.3 @ 33 MHz	-
PCI Express®	5x PCI Express® Gen 2.0 x1, 1x PEG x16 (Gen 2.0)	Up to 7x PCI Express® x1 Gen 2.0, 1x PEG x16 (Gen 2.0)
Ethernet	10/100/1000 MBit Ethernet, Intel® 82579	
Sound	Intel® High Definition Audio	
Graphics Controller	Intel® iGFX HD3000 (i7, i5), Intel® iGFX HD2000 (i3, Celeron) with integrated DirectX® 10.1, PS 4.0, OpenGL 3.0, De-/Encoder for MPEG2, VC-1, AVC, Blu-Ray support (3D), HDCP 1.4, Dual Independent Display Support	
Graphics Memory	Up to 1700MB	
Display Interfaces	Multiplexed with PEG port: 3x DP++ (DisplayPort/HDMI/DVI) - alternative 1x SDVO, 1x eDP1x CRT up to QXGA (2048x1536) 1x Dual Channel LVDS 18/24 bit up to UXGA (1600x1200)	1x DDI: SDVO, DP++ (DisplayPort/HDMI/DVI) 1x DDI: DP++ (DisplayPort/HDMI/DVI) 1x CRT up to QXGA (2048x1536) 1x Dual Channel LVDS 18/24 bit up to UXGA (1600x1200)
Operating Systems	Windows® 7, Windows Vista®, Windows® XP, WES 7, VxWORKS, Linux and others	
Security Features	Infineon TPM 1.2 SLB9635TT, optional Intel® vPro™ support (esp. AMT 7.0, TXT)	
Other Features	POSCAP capacitors, ACPI 4.0, SPI, LPC, Staged Watchdog, RTC, S5 Eco, Fast I²C, K-station/KEAPI/JIDA	
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 6
Power Supply	8.5V – 18V Wide Range, Single Supply Support	
Temperature(*)	Operation: 0°C to 60°C, Storage: -30°C to 85°C	
Humidity	Operation: 10% to 90%, Storage: 5% to 95% (non-condensing)	

(*) Ask about extended temperature ranges

Ordering Information

Article	Part No.	Description
COMe-bSC# i7-2715QE	3801x-0000-21-4	Intel® Core™ i7-2715QE, 4x 2.1 GHz, 6 MB L2 Cache, Intel® QM67, COM Express®
COMe-bSC# i7-2655LE	3801x-0000-22-2	Intel® Core™ i7-2655LE (2x 2.2 GHz LV), 4 MB L2 Cache, Intel® QM67, COM Express®
COMe-bSC# i7-2610UE	3801x-0000-15-2	Intel® Core™ i7-2610UE (2x 1.5 GHz), 4 MB L2 Cache, Intel® QM67, COM Express®
COMe-bSC# i5-2515E	3801x-0000-25-2	Intel® Core™ i5-2515E (2x 2.5 GHz), 3 MB L2 Cache, Intel® QM67, COM Express®
COMe-bSC# i3-23100E	3801x-0000-21-2	Intel® Core™ i3-23100E (2x 2.1 GHz), 3 MB L2 Cache, Intel® QM67, COM Express®
COMe-bSC# i3-2340UE	3801x-0000-13-2	Intel® Core™ i3-2340UE (2x 1.3 GHz), 3 MB L2 Cache, Intel® QM67, COM Express®
COMe-bSC# B810E	3801x-0000-16-1	Intel® Celeron® B810E (2x 1.6 GHz), 2 MB L2 Cache, Intel® HM65, COM Express®
COMe-bSC# 847E	3801x-0000-11-1	Intel® Celeron® 847E (2x 1.1 GHz), 2 MB L2 Cache, Intel® HM65, COM Express®
COMe-bSC# 827E	3801x-0000-14-0	Intel® Celeron® 827E (1x 1.4 GHz), 2 MB L2 Cache, Intel® HM65, COM Express®
COMe-bSC# 807UE	3801x-0000-10-0	Intel® Celeron® 807UE (1x 1.0 GHz), 2 MB L2 Cache, Intel® HM65, COM Express®

Note: Please replace the x inside the article no. Example: Order 38013-0000-21-4 to get a COM Express® Type 2 module, order 38014-0000-21-4 to get a Type 6 module.

CORPORATE OFFICES

Europe, Middle East & Africa

Lise-Meitner-Str. 3-5
86156 Augsburg
Germany
Tel.: +49 (0) 821 4086-0
Fax: +49 (0) 821 4086 111
sales@kontron.com

North America

14118 Stowe Drive
Poway, CA 92064-7147
USA
Tel.: +1 888 294 4558
Fax: +1 858 677 0898
info@us.kontron.com

Asia Pacific

17 Building, Block #1, ABP.
188 Southern West 4th Ring Road
Beijing 100070, P.R.China
Tel.: +86 10 63751188
Fax: +86 10 83682438
info@kontron.cn