

High Performance COM Express®

conga-BS67

Intel® Core™ 2nd Generation CPUs

Extreme graphics performance

COM Express™ Type 2 module featuring DisplayPort and HDMI



Formfactor	Formfactor COM Express™ Basic, (95 x 125 mm), Type II Connector Layout
CPU	Intel® Core™ i7-2655LE, 2.20 GHz, (32 nm process, 4MB cache, 1333 MHz, TDP 25 W) Intel® Core™ i7-2610UE, 1.50 GHz, (32 nm process, 4MB cache, TDP 17 W) Intel® Core™ i3-2340UE, 1.30 GHz (32nm process, 3MB cache, TDP 17W) Intel® Celeron® Processor 847E, 1.1GHz (32nm process, 2 MB cache, TDP 17W) Intel® Celeron® Processor 827E, 1.4 GHz (32nm process, 1.5 MB cache, TDP 17W) Integrated dual channel memory controller, up to 25,6 GByte/sec. memory bandwidth Integrated Intel® HD Graphics with dynamic frequency up to 1100 MHz, Intel® Clear Video HD Technology
DRAM	2 Sockets, SO-DIMM DDR3 1333 MHz, up to 16 GByte
Chipset	Mobile Intel® 6 Series Chipset, Intel® QM67/HM65 Platform Controller Hub
Ethernet	Gigabit Ethernet, Intel® Ethernet PHY optional
I/O Interfaces	6x PCI Express™ lanes, 4x Serial ATA® (AHCI) with RAID support, 1x EIDE (UDMA-66/100) optional, 8x USB 2.0 (EHCI), PCI Bus 33 MHz Rev. 2.3, LPC bus, I ² C bus (fast mode, 400 kHz, multi-master)
Sound	Digital High Definition Audio Interface with support for multiple audio codecs
Graphics	Processor integrated Mobile Intel® 6 Series HD graphics, OpenGL 3.0 and DirectX 10.1 support, two independent pipelines for full dual view support, High performance hardware MPEG-2 decoding, WMV9 (VC-1) and H.264 (AVC) support Blu-ray support @ 40 Mbit/s, hardware motion compensation (using HDMI 1.4 with 3D), no PEG support
LVDS	Dual channel LVDS transmitter, supports flat panels 2x24 Bit interface, VESA mappings, resolutions up to 1920x1200, Automatic Panel, Detection via EDID/EPI
Display Port (DP)	3x DisplayPorts 1.1, max. resolution 2560x1600
HDMI or DVI	3x ports shared with Display Port
CRT Interface	350 MHz RAMDAC, resolutions up to QXGA (2048x1536)
SDVO	1 x Intel compliant SDVO ports with 200MPixel/sec. Supports external DVI, TV and LVDS transmitter
congatec Board Controller	Multi Stage Watchdog, non-volatile User Data Storage, Manufacturing and Board Information, Board Statistics, BIOS Setup Data Backup, I ² C bus (fast mode, 400 kHz, multi-master), Power Loss Control
Embedded BIOS Features	AMI Aptio® UEFI 2.x firmware, 8 MByte serial SPI firmware flash
Security	The conga-BM67 can be optionally equipped with a discrete "Trusted Platform Module" (TPM). It is capable of calculating efficient hash and RSA algorithms with key lengths up to 2,048 bits and includes a real random number generator. Security sensitive applications such as gaming and e commerce will benefit also with improved authentication, integrity and confidence levels.
Power Management	ACPI 3.0 with battery support
Operating Systems	Microsoft® Windows 8, Microsoft® Windows 7, Microsoft® Windows® embedded Standard, Microsoft® Windows XP, Linux
Power Consumption	Typ. application: Processor TDP: 17 .. 25 W, see manual for full details
Temperature:	Operating: 0 .. +60°C Storage: -20 .. +80°C
Humidity Operating:	10 - 90% r. H. non cond. Storage: 5 - 95% r. H. non cond.
Size	95 x 125 mm (3.74" x 4.92")

