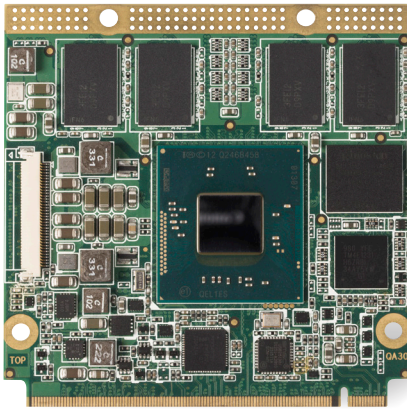


HIGH PERFORMANCE

conga-QA3



- 3rd Gen. Intel® Atom™ / Celeron® processors
- High resolution Intel® Gen. 7 graphics
- Temperature range up to -40°C .. +85°



Formfactor	Qseven Form Factor Rev. 2.0 compliant 70x70 mm			
CPU	Intel® Atom™ E3845	1.91 GHz QuadCore	L2 cache 2MB	10W TDP
	Intel® Atom™ E3827	1.75 GHz Dual Core	L2 cache 1MB	8W TDP
	Intel® Atom™ E3826	1.46 GHz Dual Core	L2 cache 1MB	7W TDP
	Intel® Atom™ E3825	1.33 GHz Dual Core	L2 cache 1MB	6W TDP
	Intel® Atom™ E3815	1.46 GHz Single Core	L2 cache 512kB	5W TDP
	Intel® Atom™ E3805	1.33 GHz Dual Core	L2 cache 1MB	3W TDP
	Intel® Celeron J1900	2.0 GHz Quad Core	L2 cache 2MB	10W TDP
	Intel® Celeron N2930	1.83 GHz Quad Core	L2 cache 2MB	7.5W TDP
	Intel® Celeron N2807	1.58 GHz Dual Core	L2 cache 1MB	4.5W TDP
DRAM	Dual Channel up to 8GB onboard DDR3L with 1333 MT/s			
Chipset	Integrated in SoC			
Ethernet	Intel® I210 Gigabit Ethernet controller			
I/O Interfaces	6x USB 2.0 or 1x USB 3.0 and 5x USB 2.0 2x SATA 1x SDIO 3x PCIe I ² C Bus LPC bus 1x SPI			
Mass Storage	eMMC 5.0 onboard flash up to 64 GByte (optional only for Intel® Atom™)			
Sound	Intel® High Definition Audio (Intel® HD Audio)			
Graphics	Intel® HD Graphics with support for DirectX11 OpenGL 3.0 OpenCL 1.2 OpenGLES 2.0 full HW acceleration for decode/encode of MPEG2, H.264 MVC and dual simultaneous display support			
LVDS	Dual channel LVDS transmitter support for flat panels with 2x24 bit data mapping up to a resolution of 1920x1200@60Hz			
Digital Display Interface (DDI)	DisplayPort++ up to 2560x1600			
Features	MIPI-CSI			
congatec Board controller	Multi Stage Watchdog non-volatile User Data Storage Manufacturing and Board Information Board Statistics 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 with congatec Embedded BIOS features (OEM Logo OEM CMOS Defaults LD Control Display Auto Detection Backlight Control Flash Update)			
Power Management	ACPI 5.0 compliant Smart Battery Management			
Operating Systems	Microsoft® Windows 10 Microsoft® Windows 10 IoT Enterprise Microsoft® Windows 10 IoT Core Microsoft® Windows 8 Microsoft® Windows 8 embedded Microsoft® Windows 7 Microsoft® Windows 7 embedded compact Linux Android Yocto MoonIsland / WindRiver IDP			
Power Consumption	Typ. application 4.5W...12W			
Temperature	Commercial :	Operating: 0 to +60°C	Storage: -20 to +80°C	
	Industrial :	Operating: -40 to +85°C	Storage: -45 to +85°C	
Humidity	Operating:	10 to 90% r. H. non cond.		
	Storage:	5 to 95% r. H. non cond.		
Size	70 x 70 mm (2¾" x 2¾")			

conga-QA3 | Block diagram

