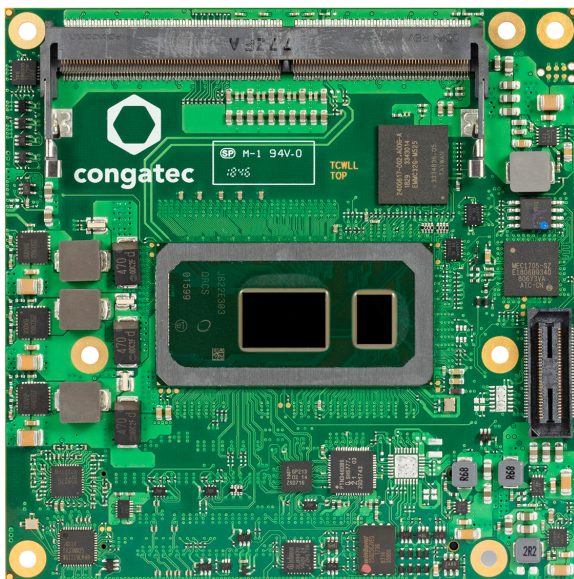


QUAD CORE COMPACT

conga-TC370

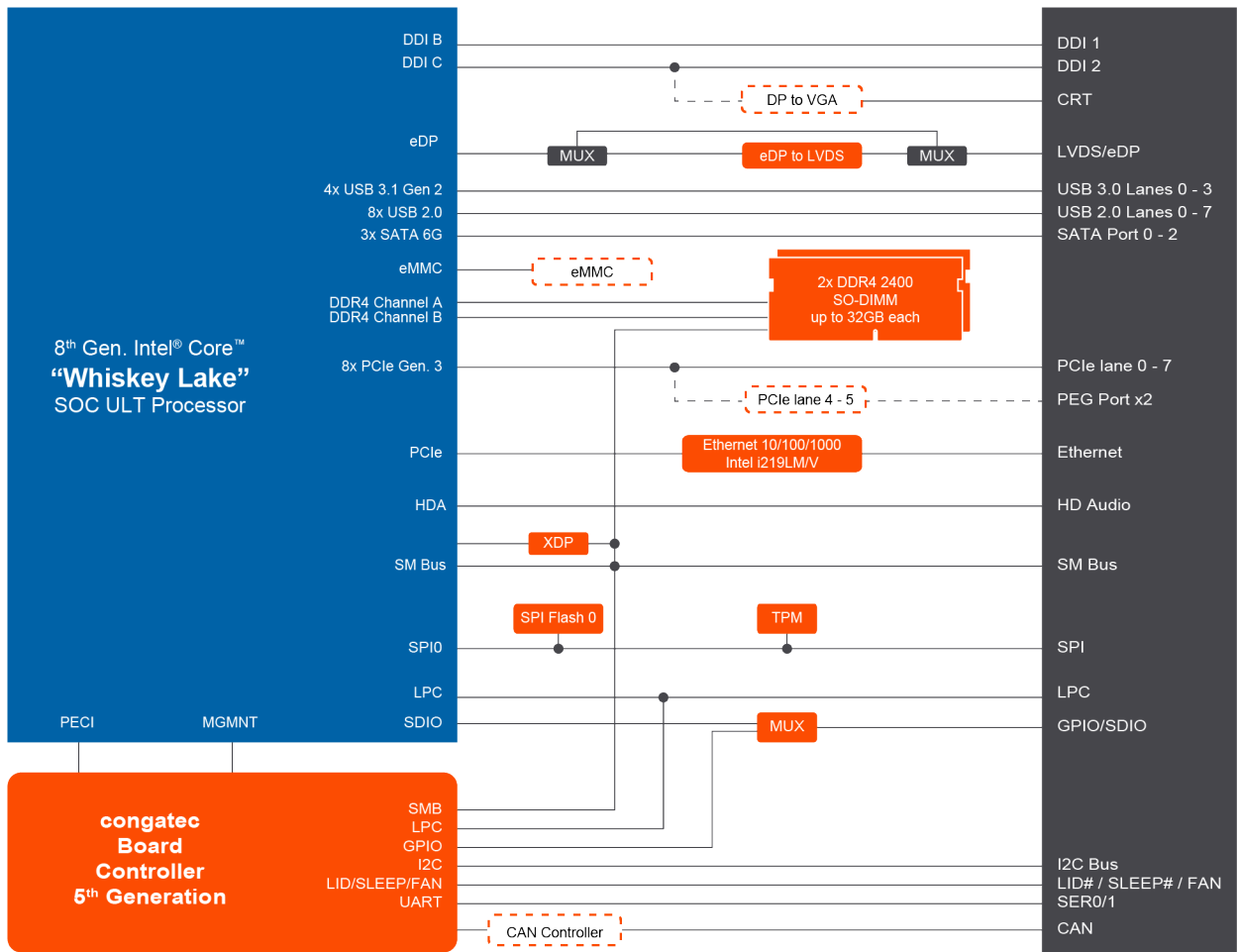


- 8th Generation Intel® Core™ SOC processor up to 4 cores
- Configuration of display mode by software (LVDS/eDP)
- Low power consumption (TDP 15W, cTDP 10W)
- Up to 64 GByte dual channel DDR4 2400 MT/s
- Optional eMMC 5.1 on board mass storage
- Trusted Platform Module (TPM 2.0)
- COM Express Compact Type 6 module 95x95 mm²



Formfactor	COM Express® Compact, (95 x 95 mm), Type 6 Connector Layout			
CPU	Intel® Core™ i7-8665UE 4.40 GHz (Burst) 1.7 GHz Clock	Quad Core, 8 Threads	L2 cache 8MB	15W TDP (configurable to 10/25W)
	Intel® Core™ i5-8365UE 4.10 GHz (Burst) 1.6 GHz Clock	Quad Core, 8 Threads	L2 cache 6MB	15W TDP (configurable to 10/25W)
	Intel® Core™ i3-8145UE 3.90 GHz (Burst) 2.2 GHz Clock	Dual Core, 4 Threads	L2 cache 4MB	15W TDP (configurable to 10/25W)
	Intel® Celeron® 4305UE 2.00 GHz (Burst) 2.0 GHz Clock	Dual Core, 2 Threads	L2 cache 2MB	15W TDP
DRAM	Dual channel DDR4 up to 2.400 MT/s 2x SO-DIMM max. 2x 32 Gbyte			
Chipset	Integrated Intel® 300 Series			
Ethernet	1x Gigabit Ethernet Intel i219LM			
Sound	Digital High Definition Audio Interface with support for multiple audio codecs			
Graphics	Intel® Gen9 HD Graphics Engine with OpenCL 2.1, OpenGL 4.5 and DirectX12 (for Windows 10) support up to three independent displays High performance hardware MPEG-2 decoding WMV9 (VC-1) and H.265 (HEVC) support Blu-ray support @ 40 MBit/s HEVC and VP9 encoding			
Display Interface	2x DDI 18/24bit single/dual channel LVDS or eDP optional VGA interface LVDS interface with optional eDP overlay. Configuration of display mode by software			
I/O Interfaces	8x PCI Express Gen 3.0 lanes 3x Serial ATA Gen 3 (can be configured as RAID) 4x USB 3.1 Gen 2 8x USB 2.0 LPC bus (no DMA) I ² C bus (fast mode, 400 kHz, multi-master) 2x UART			
Storage	optional eMMC 5.1 on board mass storage			
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 Hardware Health Monitoring POST Code redirection			
Embedded BIOS Features	AMI Aptio® 2.X (UEFI) BIOS SM-BIOS BIOS Update Logo Boot Quiet Boot HDD Password			
Security	Trusted Platform Module (TPM 2.0) Secure Root of Trust Secure Memory Encryption Secure Encrypted Virtualization			
Power Management	ACPI compliant with battery support Suspend to RAM (S3) support S5 enhanced support Intel AMT 12.0 support			
Operating Systems	Microsoft® Windows 10 (64bit only) Microsoft® Windows 10 IoT Enterprise (64bit only) Linux			
Power Consumption	See user's guide for full details			
Temperature	Operating: 0 .. +60°C Storage: -20 .. +70°C			
Humidity	Operating: 10 - 90% r. H. non cond. Storage: 5 - 95% r. H. non cond.			
Size	95 x 95 mm (3.74" x 3.74")			

conga-TC370 | Block diagram



 Optional - Not available by default