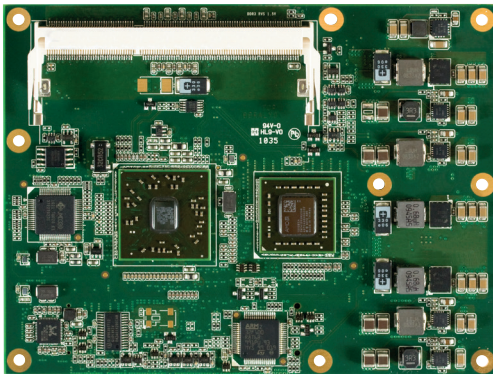


# HIGH GRAPHICS PERFORMANCE WITH LOW POWER CONSUMPTION

## conga-BAF



- Based on AMD Embedded G-Series Processors
- Best price/performance ratio
- High performance graphics



Formfactor	COM Express™ Basic   (95 x 125 mm)   Type II Connector Layout				
CPU	AMD G-T56N	1.6 GHz	Dual Core	cache 512 kB x2	18W
	AMD G-T40N	1.0 GHz	Dual Core	cache 512 kB x2	9W
	AMD G-T44R	1.2 GHz	Single Core	cache 512 kB	9W
	AMD G-T40R	1.0 GHz	Single Core	L2 cache 512 kB	5.5W
	AMD G-T40E	1.0 GHz	Dual Core	L2 cache 512 kB x2	6.4W
	AMD Embedded G-Series Processors				
DRAM	Single channel up to two 4 GB DDR3 SO-DIMM memory (up to 1066 MHz)				
Chipset	AMD A55E Controller Hub				
Ethernet	Gigabit Ethernet   Realtek RTL8111E				
I/O Interfaces	6x PCI Express™ x1 lanes   4x Serial ATA®   1x EIDE (up to UDMA 6)   8x USB 2.0   PCI Bus (Rev. 2.3 compliant   33 MHz)   2x Express™ Card				
Sound	High Definition Audio Interface				
Graphics	Integrated High Performance Video   DirectX®11 graphics with UVD 3.0   Integrated VGA DAC   Dual Simultaneous Display Support no PEG support				
LVDS	2x24 Bit   800x600 to 1920x1200@60Hz; VESA standard or JEDIA data mapping; Automatic Panel Detection via EDID/EPI				
DisplayPort	2x DisplayPort 1.1a shared with HDMI ports   second port multiplexed with LVDS resolutions up to 2560x1600 - 18W APU   1920x1200 - 9W APU				
HDMI or DVI	2x HDMI 1.3 Ports   shared with DisplayPort   second port multiplexed with LVDS   resolutions up to 1920x1080 / 1920x1200 for DVI mode				
CRT	400 MHz RAMDAC   resolutions up to 2560x1600 - 18W APU   1920x1200 9W APU				
congatec Board Controller	Multi Stage Watchdog   non-volatile User Data Storage   Manufacturing and Board Information   Board Statistics   BIOS Setup Data   Backup I²C bus (fast mode   400 kHz   multi-master)   Power Loss Control				
Embedded BIOS Features	AMI-Aptio UEFI BIOS with congatec Embedded BIOS features				
Security	The conga-BAF 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® Windows8   Microsoft® Windows7   Microsoft® Windows XP   Microsoft® Windows® embedded Standard Microsoft® Windows CE 6.0   Microsoft® Windows Embedded Compact 7   Linux				
Power Consumption	Typ. application: tbd.   see manual for full details   CMOS Battery Backup				
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")				

