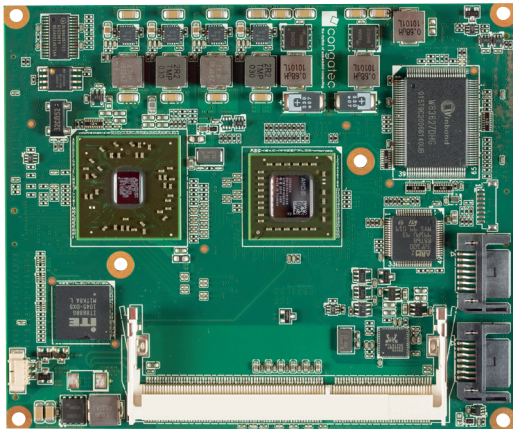


HIGH GRAPHICS PERFORMANCE WITH LOW POWER CONSUMPTION

conga-EAF



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

ETX[®]

Formfactor	ETX [®] Spec 3.02				
CPU	AMD G-T56N	1.6 GHz	Dual Core	L2 cache 512kB x2	TDP 18 W
	AMD G-T40N	1.0 GHz	Dual Core	L2 cache 512kB x2	TDP 9W
	AMD G-T40R	1.0 GHz	Single Core	L2 cache 512kB x2	TDP 5.5 W
	AMD G-T40E	1.0 GHz	Dual Core	L2 cache 512kB x2	TDP 6.5 W
	AMD G-T16R	615 MHz	Single Core	L2 cache 512kB x2	TDP 4.5 W
	AMD Embedded G-Series Processors				
DRAM	Single channel up to one 4 GB DDR3 SO-DIMM memory (up to 1066 MHz)				
Chipset	AMD A55E Controller Hub				
Ethernet	10/100M Fast Ethernet Realtek RTL8105E				
I/O Interfaces	2x Serial ATA [®] 2x EIDE (up to UDMA-66/100) 4x USB 2.0 PCI Bus (Rev. 2.3) ISA Bus I2C (Fast Mode / 400 kHz / Multi Master) Floppy LPT 2x COM PS/2				
Sound	High Definition Audio Interface and Analog MIC Line In Line Out by on-module HDA codec				
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				
CRT	400 MHz RAMDAC resolutions up to 2560x1600 - 18W APU 1920x1200 - 9W APU				
DisplayPort	1x DisplayPort 1.1a shared with HDMI port resolutions up to 2560x1600 - 18W APU 1920x1200 - 9W APU				
HDMI or DVI	1x HDMI 1.3 Port shared with DisplayPort resolutions up to 1920x1080 / 1920x1200 for DVI mode				
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 BIOS with congatec Embedded BIOS features				
Security	The conga-EAF 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 Windows Embedded Compact 7 Linux				
Power Consumption	Typ. application: 9 .. 18 W. 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 114 mm (3.7" x 4.5")				

conga-EAF | Block diagram

