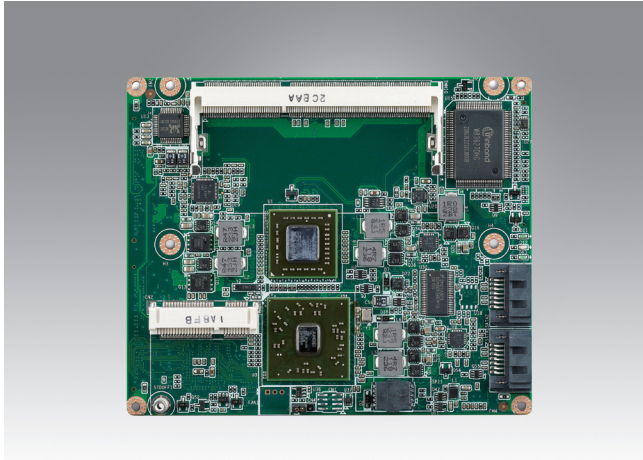


SOM-4466

AMD G-Series Processor ETX CPU Module



Features

- AMD G-Series Processor + FCH A55E
- Supports DX11, OGL3.2, and H.264/AVC, VC-1 HW Acceleration
- Supports DDR3-1066 up to 4GB
- Supports PCI, ISA, SMBus, I²C
- Supports 10/100 LAN, SATA, mSATA Socket, IDE, USB2.0

Software APIs:



Specifications

Compliance	Pin Define	ETX V3.02
	Form Factor	ETX Module 114 x 95 mm (3.74" x 4.5")
Processor System	CPU Frequency/Core/L2 Cache	AMD T16R 615 MHz/Single Core/512 KB AMD T40E 1GHz/Dual Core/512KB AMD T56N 1.65GHz/Dual Core/512KB
	Chipset	AMD A55E
	BIOS	AMI 32 Mbit, SPI
Memory	Technology	DDR3-1066 MHz non-ECC unbuffered
	Capacity	1 SODIMM up to 4 GB
Display	Graphic Engine	AMD Radeon HD 6320 / HD 6250
	Graphic Memory	Share with system memory up to 512MB
	Capacity	Support DX11, OGL3.2, OCL1.1 and HW acceleration for H.264/AVC, VC-1, MPEG2
	VGA	Resolution up to 1920 x 1200 @ 30 bpp
	LCD	TTL Version: 18-bit up to 800 x 600 LVDS Version: 24-bit up to 1024 x 768
Expansion I/F	Dual Display	VGA + LCD
	PCI	PCI V2.3, up to 4 masters
Serial Bus	ISA	Support Memory and I/O decode
	SMBus	Yes
I/O	I ² C Bus	Yes
	Ethernet	Realtek RTL8105E 10/100 LAN
	SATA	2 Port on ETX Module , SATA Gen3 600 MB/s compliant. Support IDE/AHCI Mode, RAID 0, 1
	mSATA socket	1 Half-Size mSATA socket on ETX Module, SATA Gen 3 600 MB/s compliant
	IDE	2 Channels, each channel support up to 1 IDE device. ATA/ATAPI-7 (UDMA133) compliant
	USB2.0	4 Ports
	Audio	Realtek ALC262. Support Line-in(L/R), Line-out(L/R), MIC
	COM Port	2 Ports
	LPT/Floppy	1 Port shared
	Keyboard & Mouse	1 Keyboard and 1 Mouse
	GPIO/GPE	1 GPIO, 2 GPE
	Watchdog Timer	256 level timer interval, from 0 to 255 sec or min setup by software, jumperless selection, generates system reset
Power	Type	ATX, AT
	Supply Voltage	ATX: +5 V and +5 VSB, AT: +5 V
	Power Consumption (Idle)	+5 V @ 1.22 A
Power Consumption (Max.)	+5 V @ 1.55 A	
Environment	Temperature	Operating: 0 ~ 60° C (32 ~ 140° F) Storage: -40 ~ 85° C (-40 ~ 185° F)
	Humidity	Operating: 40° C @ 95% relative humidity, non-condensing Storage: 60° C @ 95%relative humidity, non-condensing

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