EmETX-a55E0

ETX

AMD Fusion G-T56N, G-T40N ETX CPU Module



Features

- Soldered Onboard AMD Fusion G-T56N/ G-T40N Processor
- Support LVDS, Analog RGB and DDI Port
- SATA RAID Supported
- **Extended Operating Temp.: -20 ~ 70°C**

System

CPU	AMD Fusion G-T56N 1.65GHz or G-T40N 1.0GHz processor
Memory	1 x 204-pin DDR3 SO-DIMM socket, supporting 1066/1333MHz SDRAM up to 4GB
Chipset	AMD FCH A55E
BIOS	AMI UEFI BIOS
Watchdog Timer	1~255 levels reset

I/O

Super IO Chipset	Fintek F71869ED
Serial Port	2 x COM ports
Parallel Port	SPP/EPP/ECP mode selectable
USB Port	4 x USB 2.0 ports
KB/MS	PS/2 interface for keyboard and mouse
Expansion Bus	PCI (4 x PCI masters) and ISA bus
	LPC (Low Pin Count) connector
	SPI interface
Storage	2 x Serial ATA ports with 600MB/s HDD transfer rate
Ethernet Chipset	1 x Realtek 8105E PCIe 10/100Base-T Ethernet controller
Audio Interface	Realtek ALC886 7.1 Channel HD Audio CODEC, Mic-in/ Line-in/Line-out

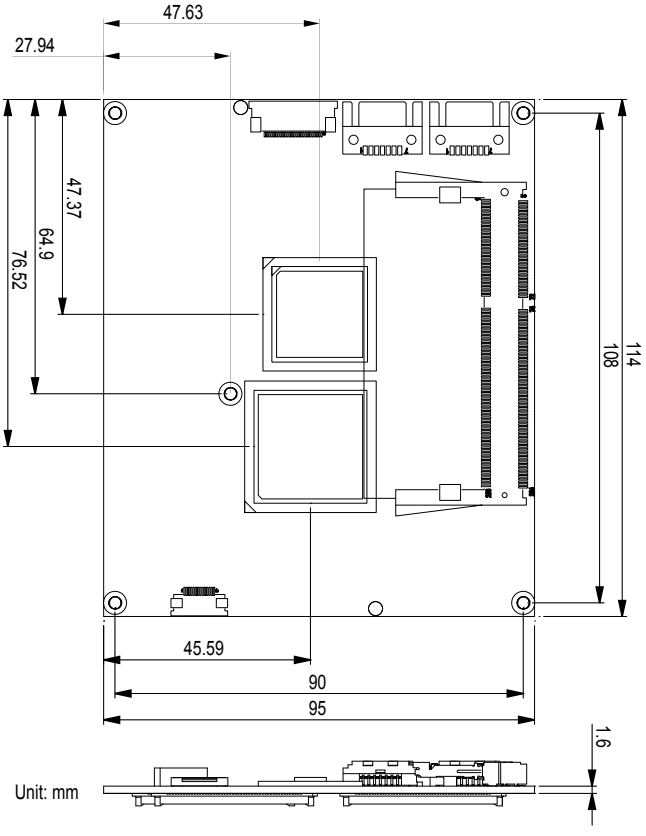
Display

Graphics Chipset	Integrated in AMD G-series processor
Graphics Interface	Analog RGB supports resolution up to 2560x1600
	LCD: Dual Channels 24-bit LVDS
	1 x DDI port

Mechanical & Environmental

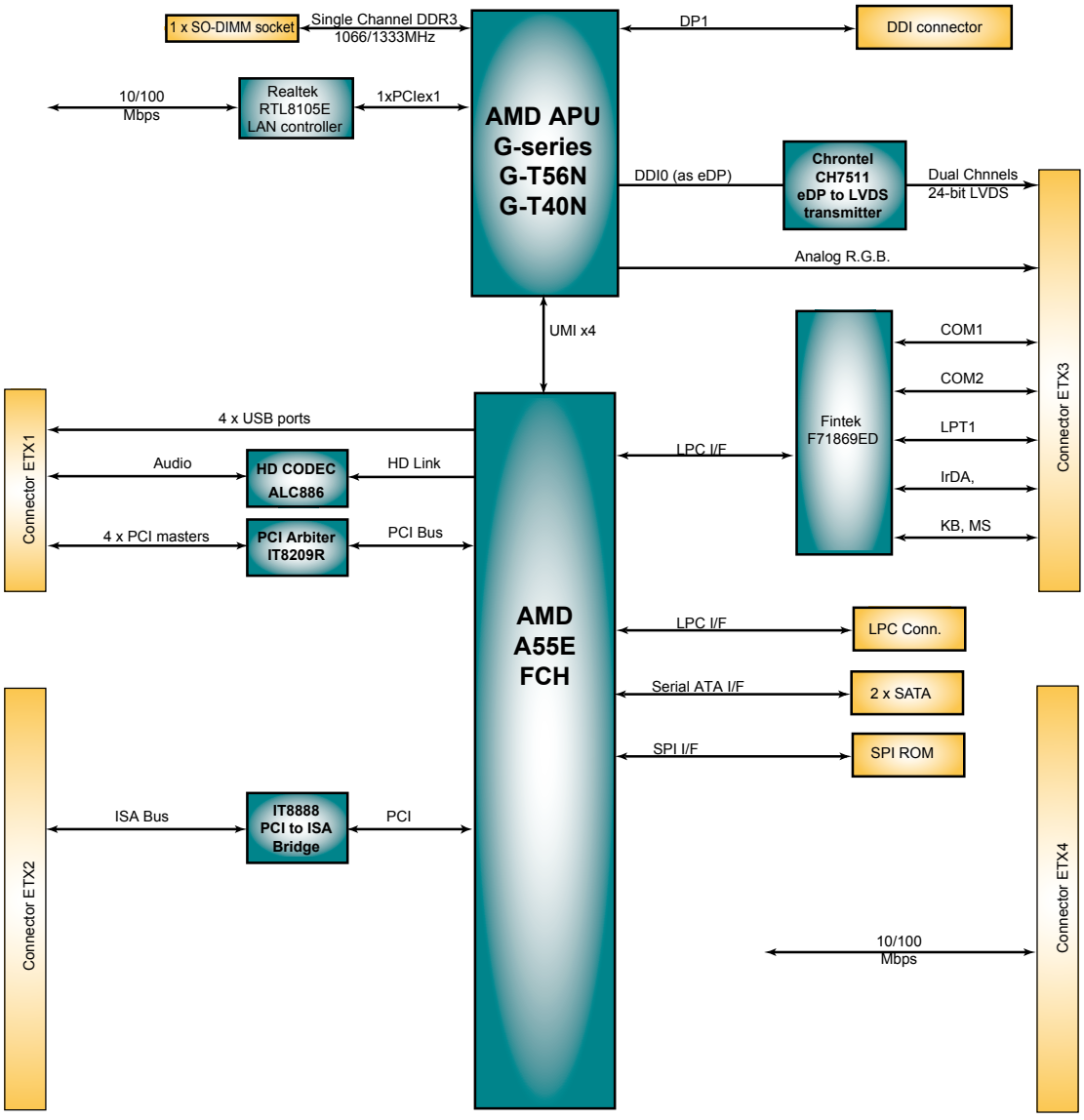
Power Requirement	+5V, 5VSB
Power Consumption	3.23A@+5V (Typical) w/ G-T56N
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimension (L x W)	114 x 95 mm (4.5" x 3.7")

Dimensions



All specifications are subject to change without notice.

Block Diagram



Ordering Information

EmETX-a55E0-T56N	AMD G-T56N Dual Core ETX CPU module
EmETX-a55E0-T40N	AMD G-T40N Dual Core ETX CPU module

Optional Accessories

HS-55E0-F2	Heat spreader (114x95x8mm)	
HS-0000-W4	Universal evaluation heatsink kit w/ thermal pad (dimension: 125x95x22mm, only used on a flat type heatspreader)	
PBE-1000 R2.1	ETX® evaluation board in ATX form factor	Page 66
CBK-05-1000-00	Cable kit • 3 x COM port cables • 1 x USB cable • 2 x IDE cables	
CPF-0000-C1	FAN, 4500RPM, 60x60x20mm	