

EmETX-a55E0

ETX

AMD G-series APU G-T56N, G-T40N ETX CPU Module



Features

- Soldered onboard AMD G-series APU G-T56N/ G-T40N
- LVDS, Analog RGB and DDI Port supported
- SATA RAID supported
- **Extended Operating Temp.: -20 ~ 70°C**

System

CPU	Soldered onboard AMD G-series APU G-T56N dual-core 1.65GHz or G-T40N dual-core 1.0GHz
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
Storage	SPI interface
	2 x Serial ATA ports with 600MB/s HDD transfer rate
Ethernet Chipset	1 x Realtek 8105E PCIe 10/100Base-T Ethernet controller
Audio	Realtek ALC886 7.1 Channel HD Audio CODEC, Mic-in/ Line-in/Line-out

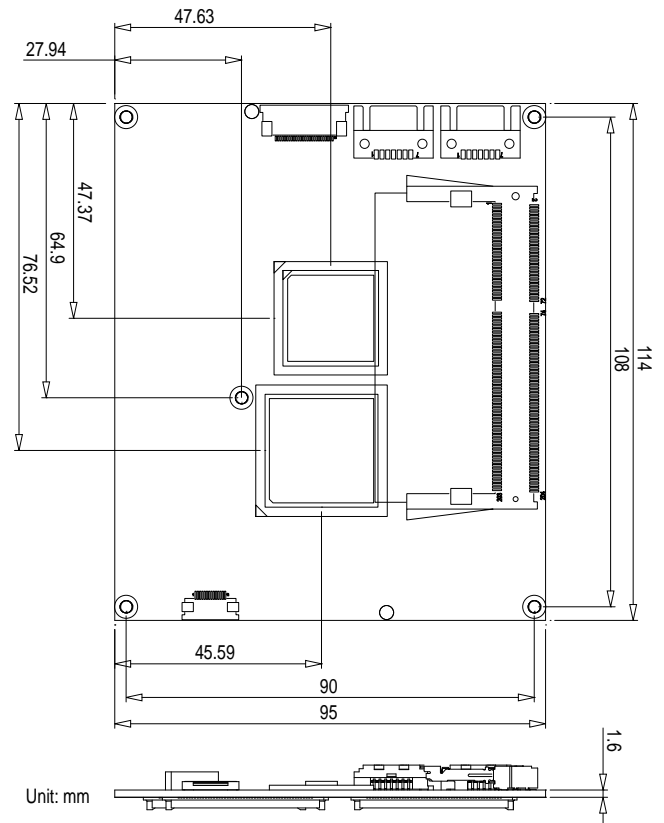
Display

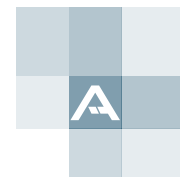
Graphic Chipset	Integrated in AMD G-series APU
Graphic Interface	Analog RGB that supports resolution up to 2560x1600
	LCD: Dual Channels 24-bit LVDS
	1 x DDI port

Mechanical & Environmental

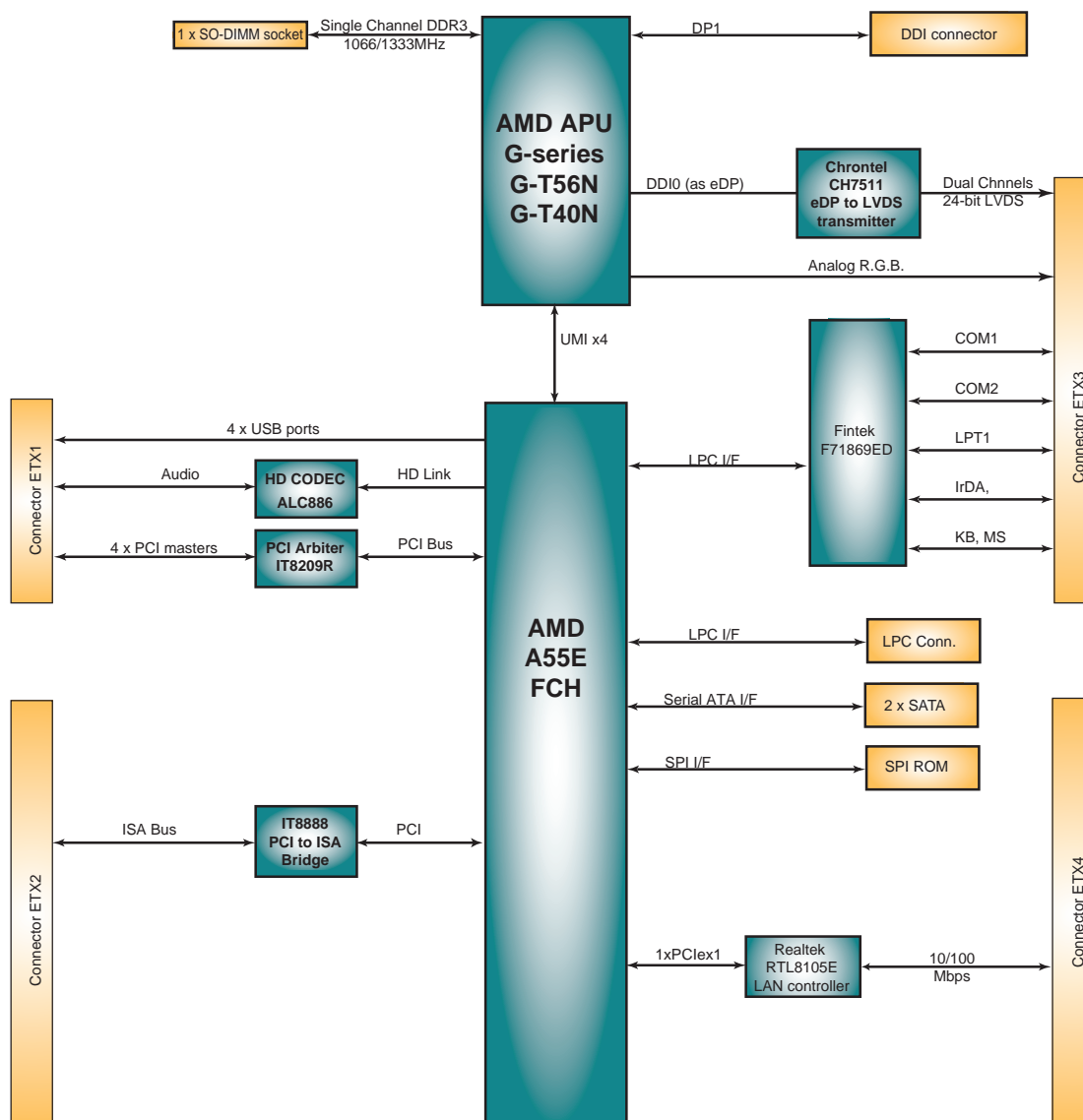
Power Requirement	+5V, 5VSB
Power Consumption	3.23A@+5V with G-T56N (Typical)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimensions (L x W)	114 x 95 mm (4.5" x 3.7")

Dimensions





Block Diagram



Ordering Information

EmETX-a55E0-T56N AMD G-series APU G-T56N Dual Core ETX CPU module

EmETX-a55E0-T40N AMD G-series APU G-T40N Dual Core ETX CPU module

Optional Accessories

HS-55E0-F2 Heat spreader (114x95x8mm)

HS-0000-W4 Universal evaluation heatsink kit with thermal pad (dimension: 125x95x22mm, only used on a flat type heat spreader)

PBE-1000 R2.1 ETX[®] evaluation board in ATX form factor

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