

# EmETX-a55E0

## AMD Fusion G-T56N ETX CPU Module



### Features

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

### System

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

### I/O

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

### Display

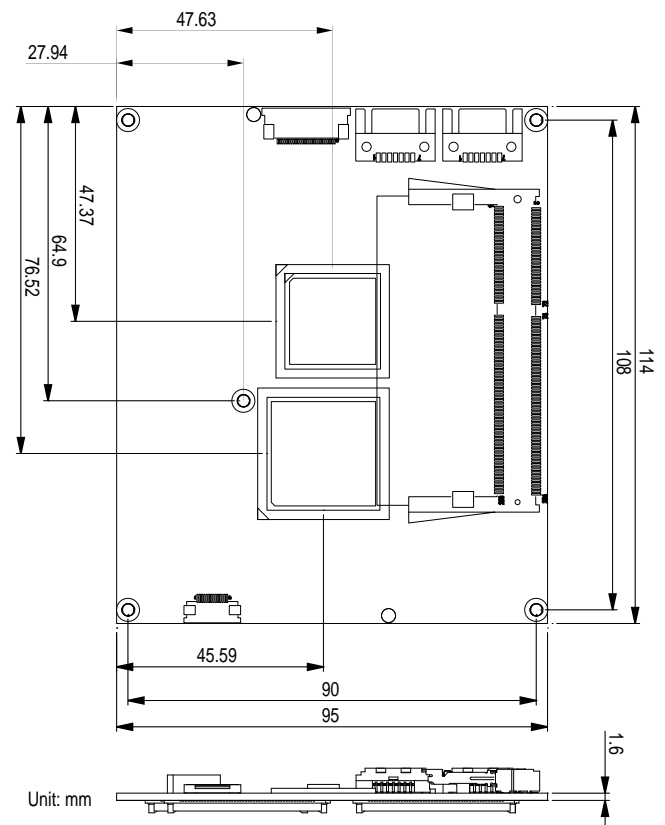
<b>Graphics Chipset</b>	Integrated in AMD G-series processor Analog RGB supports up to 2560x1600
<b>Graphics Interface</b>	LCD: Dual Channels 24-bit LVDS 1 x DDI port

All specifications are subject to change without notice.

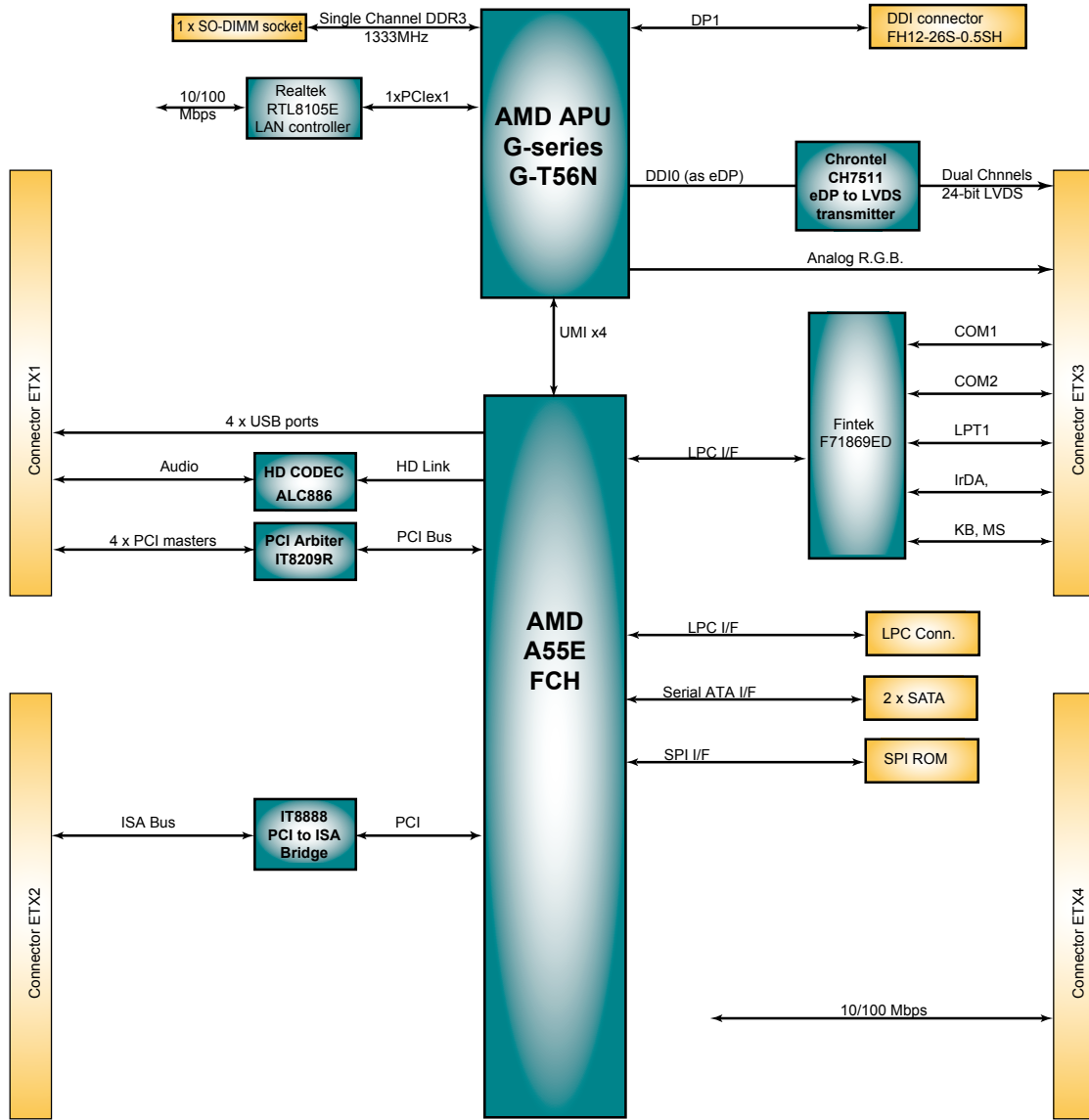
### Mechanical & Environmental

<b>Power Requirement</b>	+5V, 5VSB
<b>Power Consumption</b>	3.23A@+5V (Typical)
<b>Operating Temp.</b>	-20 ~ 70°C (-4 ~ 158°F)
<b>Operating Humidity</b>	0 ~ 95% (non-condensing)
<b>Dimension (L x W)</b>	114 x 95 mm (4.5" x 3.7")

### Dimensions



# Block Diagram



## Ordering Information

<b>EmETX-a55E0-T56N</b>	AMD G-T56N Dual Core ETX CPU Module	
<b>HS-55E0-F1</b>	Heat spreader (114x95x18mm)	
<b>HS-55E0-C1</b>	CPU module cooler for 18W APU (114x95x29mm)	
<b>PBE-1000 R2.1</b>	ETX <sup>®</sup> evaluation board in ATX form factor	Page 56
<b>CBK-05-1000-00</b>	Cable kit 3 x COM port cables 1 x USB cable 2 x IDE cables	

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