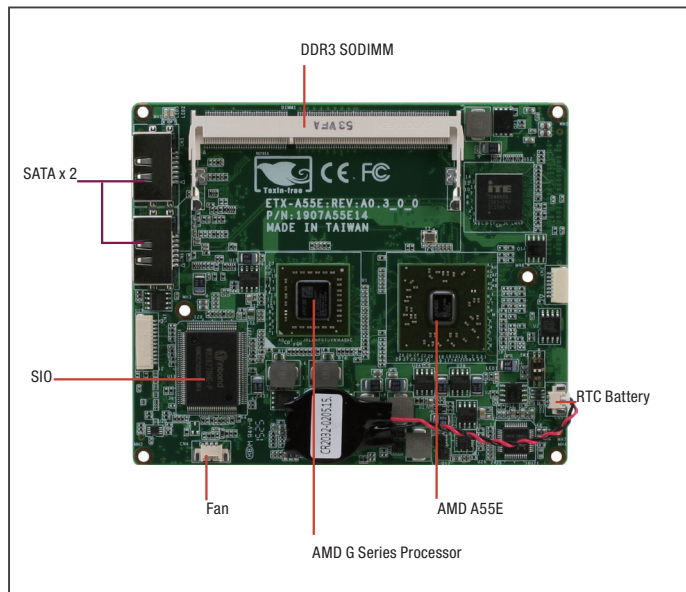


ETX CPU Module with Onboard AMD® G-series APU



Features

- AMD® G-series APU T16R/T56N
- Onboard DDR3L Socket, up to 8 GB
- 10/100 Ethernet x 1
- 18/24-bit Dual-Channel LVDS
- High Definition Audio Interface
- SATA x 2, PATA x 2 (2 Devices Total)
- USB2.0 x 4
- PCI, ISA
- ETX Form Factor
- 114mm x 95mm



Specifications

System	
Form Factor	ETX
CPU	Onboard AMD® G-series APU T16R/T56N
CPU Frequency	T16R: Single Core 615 MHz/ 4.5W T56N: Dual Core 1.6GHz/18W
Chipset	AMD G-series A55E
Memory Type	DDR3L 1066/1333 MHz, SODIMM x 1
Max. Memory Capacity	up to 8 GB
BIOS	AMI BIOS
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	+5V
Power Consumption (Typical)	T16R: 10.7W T56N: 24.2W
Power Supply Type	AT/ ATX
Dimension (L x W)	4.5" x 3.74" (114mm x 95mm)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	83,500
Certification	CE/FCC
Display	
VGA/LCD Controller	AMD G-series T16R/T56N integrated
Video Output	CRT/ LVDS LCD
Backlight Inverter Supply	—
I/O	
Ethernet	Realtek RTL8105 10/100 Base-TX
Audio	Realtek ALC892
USB Port	USB2.0 x 4
Serial Port	1
Parallel Port	1
HDD Interface	SATA x 2, PATA x 2 (2 devices)
FDD Interface	—
SSD	—
Expansion Slot	32-bit PCI x 4 SMBus x 1 I2C x 1 8/16-bit ISA
DIO	—
TPM	—

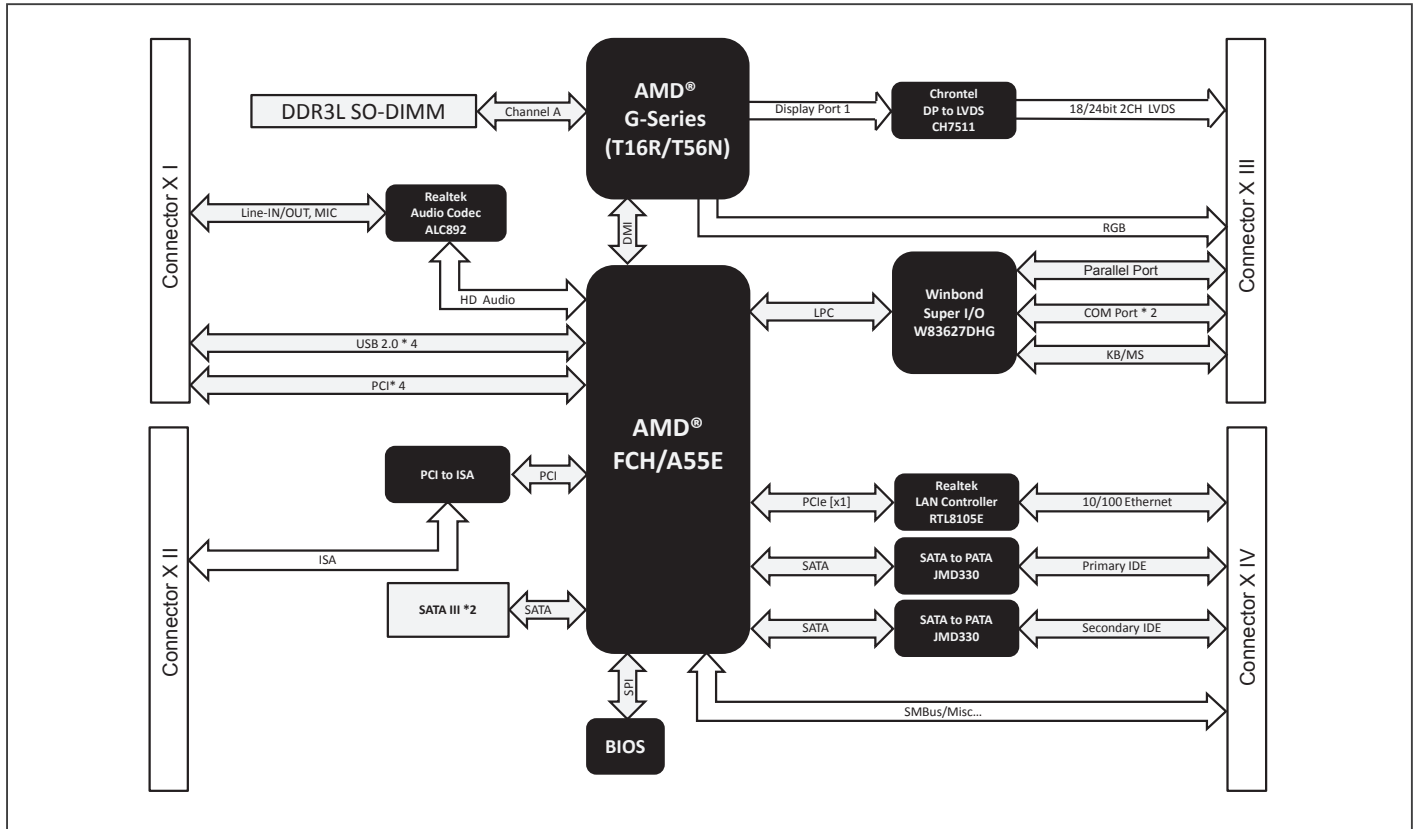
Packing List

- M2.5 Screw x 4
- Product CD
- ETX-A55E

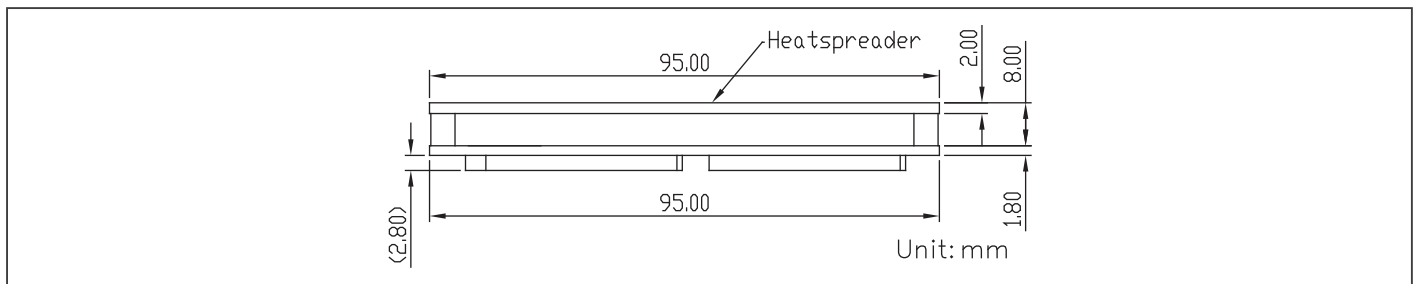
Optional Accessories

- **TF-ECB-902M-A10**
ETX Carrier Board, LAN, Audio, 2COM, USB2.0, PCI, ISA, AT/ATX, Rev. A1.0
- **PER-A142**
Heat Spreader, For ETX-A55E, Onboard CPU
- **EXTX-HSK01**
Passive Heat-sink, to be used with head spreader
- **EXTX-FAN01**
CPU Cooler, 35W, to be used with head spreader

Block Diagram



Dimension



Ordering Information

Part Number	Form Factor	CPU	Memory	Display	LVDS	Storage	LAN	USB	UART	KB/MS	LPT	Power Temp.	Others
ETX-A55E-A11-0001	ETX	AMD G-series, T16R	DDR3L x 1 (Max 8 G)	LVDS/LCD	18b/24b, 2CH	SATA3.0 x 2, PATA x 2 (2 devices)	FE x 1	USB2.0 x 4	2	1	1	0°C - 60°C	—
ETX-A55E-A11-0002	ETX	AMD G-series, T56N	DDR3L x 1 (Max 8 G)	LVDS/LCD	18b/24b, 2CH	SATA3.0 x 2, PATA x 2 (2 devices)	FE x 1	USB2.0 x 4	2	1	1	0°C - 60°C	—