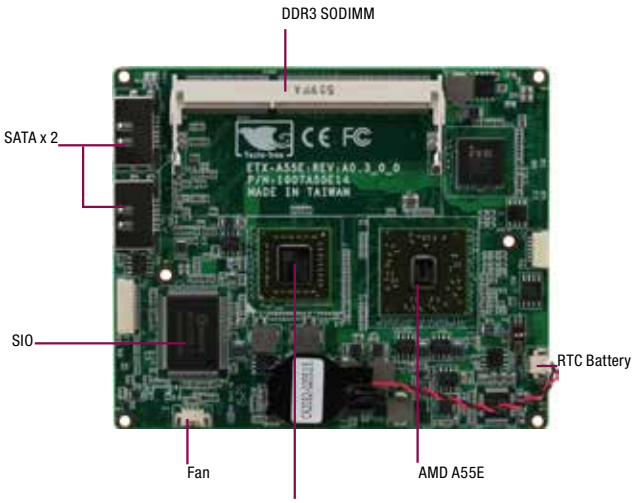
ETX-A55E

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
Processor	AMD® G-series APU T16R: Single Core 615 MHz/ 4.5W T56N: Dual Core 1.6GHz/18W
System Memory	204-pin DDR3L 1066/1333 MHz SoDIMM x 1, up to 8 GB
Chipset	AMD® G-series
I/O Chipset	Winbond 83627DHG
Ethernet	Realtek RTL8105E 10/100Base-TX
BIOS	AMI BIOS
Wake On LAN	Yes
Watchdog Timer	Super IO, Winbond 83627DHG
H/W Status Monitoring	Supports CPU Temperature Monitoring
Expansion Interface	32-bit PCI x 4 SMBUS x 1 I2C x1 8/16-bit ISA
Power Requirement	Standard: + 5V DC
Power Consumption (Typical)	—
Board Size	4.5" x 3.74"(114mm x 95mm)
Gross Weight	0.66 lb (0.3 Kg)
Operation Temperature	32 °F ~ 140 °F (0 °C ~ 60 °C)
Storage Temperature	-40°F ~ 158°F (-20°C ~ 70°C)
Operation Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	—
Display	**Supports CRT/LCD Simultaneous/Dual view display**
Chipset	AMD G-series CPU, T16R/T56N processor integrated graphics engine
Memory	Share memory: 256MB
Resolution	CRT: Up to 1920 x 1200 LVDS: Up to 1920 x 1200
LCD Interface	18/24-bit dual-channel LVDS
I/O	
Storage	SATA x 2, PATA x 2 (2 devices)
Serial Port	RS-232 x 2
Parallel Port	1
USB	USB2.0 x 4
PS/2 Port	Yes
Audio	HDA

Packing List

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

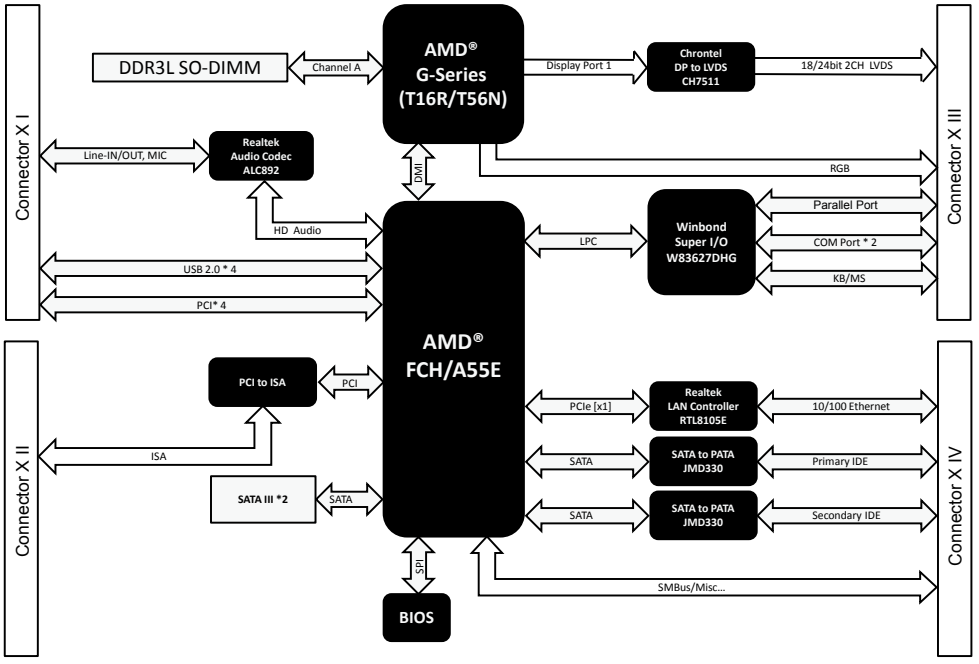
Optional Accessories

- **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
- **PER-A148**
  CPU Cooler (3-pin), for ETX-A55E to be used with Heat Spreader

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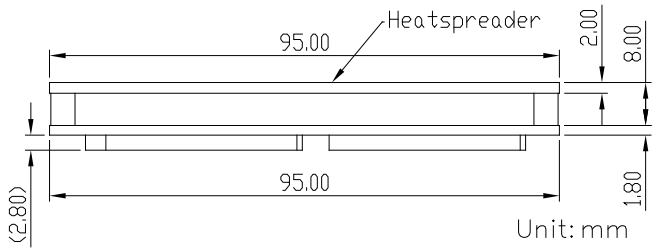
ETX-A55E

Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	ETX	CPU	Memory	Display	LVDS	Storage	LAN	USB	UART	KB/MS	LPT	Power Temp.	Others
ETX-A55E-A10-0001	114x95mm	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-A10-0002	114x95mm	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	—

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