

AMB-A55EG1

AMD Embedded G-Series T56N all-in-one gaming board with 2 x COM, 6 x USB, 1 x LAN, 2 x ccTalk, golden fingers for 17 protected input & 16 output, battery backup SRAM, 2 x Intrusion Detection.



Features

GAMB-A55EG1 provides great computing and graphic performance which is suitable for casino gaming and amusement applications. It is designed to comply with the most of gaming regulations such as GLI & BMM.



Specification

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CPU	AMD G-Series Dual Core T56N 1.65GHz processor
Chipset	AMD Fusion Control Hub A55E
Memory	2 x 204-pin SO-DIMM sockets support 1066/1333MHz DDR3, up to 8GB

Video

Graphic Controller	Integrated Radeon HD 6320 supports OpenGL 4.0, DirectX 11
Video Memory	shared memory
Video Interface	<ul style="list-style-type: none"> 1 x VGA DB15 connector 1 x HDMI connector

Storage

SATA	2 x SATA II port with SATA II power connector
mSATA	1 x mSATA connector

Communication

Ethernet	1 x GbE LAN Port
USB	4 x USB 2.0 connector & 2 x USB 2.0 pin header
Serial Port	<ul style="list-style-type: none"> 1 x RS232 with DB9 connectors 1 x RS232/422/485 DB9 connector 1 x 4-pin cc-Talk 1 x 10-pin cc-Talk

Audio

Output	5.1 channel audio without amplifier (pin header)
Amplifier	6W audio amplifier (golden finger)

Gaming I/O

Digital Input	Follow golden fingers definition <ul style="list-style-type: none"> 14 x Button 2 x Coin 1 x Hopper
Digital Output	Follow golden fingers definition <ul style="list-style-type: none"> 10 x Lamp 5 x Meter 1 x Hopper
Intrusion Detection	<ul style="list-style-type: none"> 1 x onboard door switch 1 x pin header
SRAM	battery backup 256KB SRAM (max 1MB)

Other Feature

Hardware Monitoring	CPU voltage and temperature
WatchDog Timer	Software programmable 1~255 sec.

Power Requirement

Power Input	<ul style="list-style-type: none"> 5V (4.35A~5.8A) 12V (3.3A~4.4A)
Power Consumption	43W

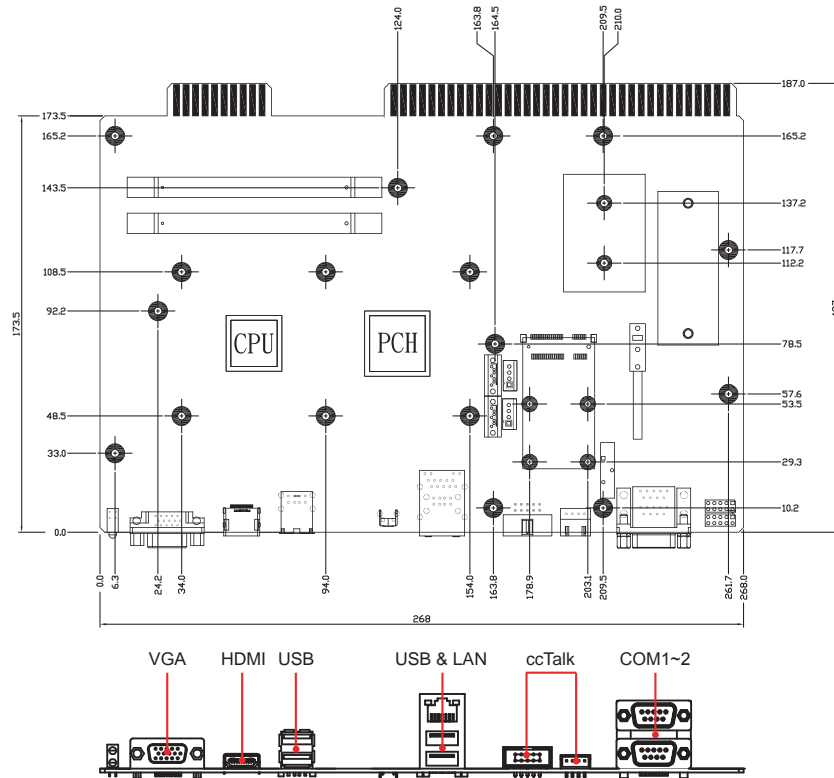
Software

OS Support	Windows XP, Fedora 14, Ubuntu 10
Software Development Kit	<ul style="list-style-type: none"> Device Driver Application Program Interface (API) Demo Program

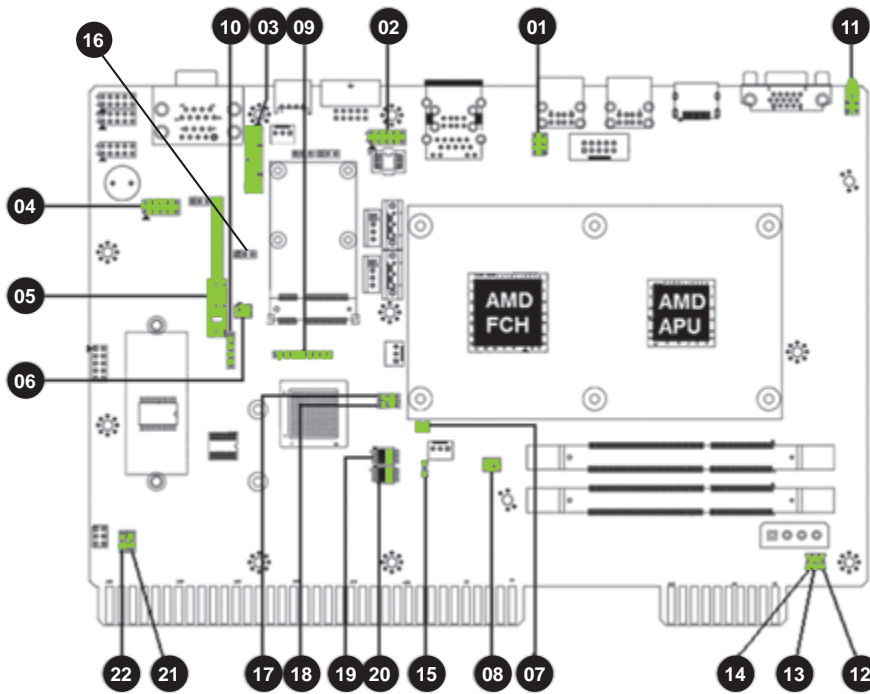
Mechanical & Environment

Thermal Design	FAN
Dimension	187 mm x 268 mm
Weight	1 KG
Operating Temp.	0~60°C (32~140°F)
Storage temp.	-40~80°C (-4~176°F)
Relative Humidity	0~90% @ 40°C, non-condensing
Safety	CE, FCC compliant

Dimension



I/O Connectors



01. Reset Button connector
02. SPI Interface connector
03. CR2032 Battery socket
04. LPC Interface connector
05. Case open Log switch
06. External Log input connector
07. 3.7V 500mAh Re-chargeable battery connector
08. iButton signal connector
09. FPGA firmware recoded Header
10. PIC firmware recoded Header
11. System status indicated
12. 5V Power IN LED
13. 24V Power IN LED
14. 12V Power IN LED
15. Battery charging LED
ON: Battery charging
16. Clear CMOS
17. SRAM1 data clear
18. SRAM1 data clear
19. METER OUT setting 1
20. METER OUT setting 2 & HOPPER SSR setting
21. (Reserved)
22. Edge connector GPO pins Clamping voltage setting

Packing List

- 1 x AMB-A55EG1
- 1 x System Driver CD
- 1 x Quick User Guide

Ordering Information

AMB-A55EG1

AMD Embedded G-Series T56N all-in-one gaming board with 2 x COM, 6 x USB, 1 x LAN, 2 x cctalk, golden fingers for 17 protected input & 16 output, battery backup SRAM, 2 x Intrusion Detection (Door Switch), iButton and Security.