

GMB-I55E

AMD® G-series Multi-display System



Features

- All in one cost-effective system with 100W AC-DC PSU
- Built-in mini-ITX Motherboard with AMD Dual /Single core Processor
- Fanless solution with T40R platform
- Built-in SM 750 GPU to support multiple display applications, up to 4 independent outputs
- Comprehensive I/O: 2 x RJ45, 4 x USB, 4 x COM, 1 x VGA, 1 x HDMI, 2 x VGA (additional) and audio
- Anti-vibration design for 2.5" HDD-bay to ensure maximum reliability



Introduction

GMB-I55E is ideal for all of your basic system requirements, offering the best in cost, performance and longevity. Multiple display I/O support for display solutions up to 4 independent outputs. Comprehensive I/Os and multi display applications for gaming, amusement, advertisement, kiosk and retail markets.

Specifications

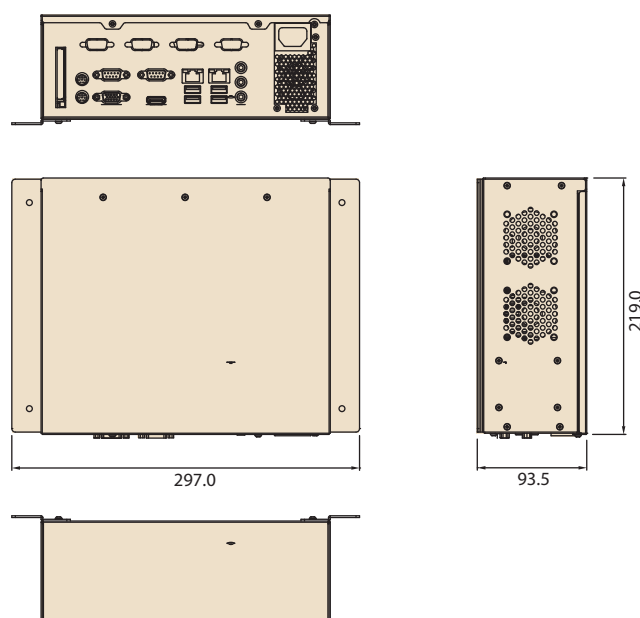
Processor System	CPU	AMD G-series Processor T56N: 1.65 GHz Dual Core	AMD G-series Processor T40R: 1.0 GHz Single Core
	Chipset	AMD A55E Controller Hub	
	BIOS	AMI 2 MB SPI Flash	
Memory	Technology	Single Channel DDR3 1333/1066 MHz	
	Max. Capacity	Up to 4 GB	
	Socket	1 x 204-pin SODIMM	
Graphics (AMD)	2D/3D Engine	Integrated AMD Radeon HD 6320	Integrated AMD Radeon HD 6250
	VRAM	Shared Memory, up to 2 GB	
	Resolution	VGA: 2048 x 1536 at 60 Hz HDMI: 1.3a supports up to 1920 x 1200 at 60 Hz	VGA: 1920 x 1200 at 60 Hz HDMI: 1.3a supports up to 1920 x 1200 at 60 Hz
	Dual Display	VGA + HDMI	VGA + HDMI
Graphics (SMI)	2D Engine	Silicon Motion SM750	
	VRAM	16 Mb of dedicated DDR memory	
	Resolution	VGA: 1920 x 1080, up to 75 Hz vertical rate	
	Dual Display	VGA + VGA Support: Direct Draw (2D only), Does not support 3D, Direct X & Open VG.	
Ethernet	LAN1	10/100/1000 Mbps Realtek 8111DL supports Wake On LAN	
	LAN2	10/100/1000 Mbps Realtek 8111DL supports Wake On LAN	
Audio	Phone Jack	Mic-in, Line-in, Line-out	
SATA Storage	Max Data Transfer Rate	600 MB/s (SATA 3.0)	
	HDD/SSD	Supports one drive bay space for SATA 2.5" HDD	
IDE Storage	CF	Supports Compact Flash Type I/II	
Expansion	PCIe	x1 PCIe4 slot	
Rear IO	VGA	x1 from MB (VGA1) x2 from SM750 2D GPU Module (VGA2/3)	
	HDMI/DVI	x1 from MB (DVI w/Adaptor)	
	Ethernet	x2	
	USB2.0	x4	
	Audio	x3 (Line out, Line in, Mic in)	
	PS/2	x1 keyboard and X1 mouse	
	COM	x4	
Software Support	Microsoft Windows	XP Professional, XP Embedded	
Power Consumption	Max.	22 W	14 W

Specifications Cont.

Mechanical	Construction	SECC housing
	Mounting	Desk/wall-mounting
	Dimensions (W x H x D)	297 x 219 x 93.5 (mm)
	Weight	3.5 kg (7.7lb)
Environmental	Operating Temperature	0 ~ 40° C (32 ~ 104° F)
	Storage Temperature	- 20 ~ 70° C (-4 ~ 158° F)
	Relative Humidity	10 ~ 85% @ 40° C, non-condensing
	EMC	CE, FCC, CCC (by request)
	Safety Certifications	CB, UL ,CCC(by request)

Dimensions

Unit: mm



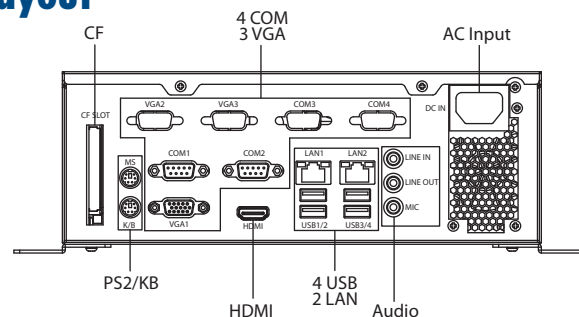
Ordering Information

Part Number	Description
GMB-I55E-S0A1E	GMB-ISYSTEM AMD T56N Platform, 3VGA, 1HDMI, w/o wall mount and HDD bracket
GMB-I55E-S1A1E	GMB-ISYSTEM AMD T40R Platform, 3VGA, 1HDMI, w/o wall mount and HDD bracket

Optional Accessories

Category	Part Number	Remark
Wall mount package		1. Wall mount bracket x 2 2. Wall mount screws M4 x 4
HDD bracket package		1. HDD_BRKT for GMB-I x 1 2. HDD screws x 7

Real Panel External I/O Mechanical Layout



Design & Manufacturing Services

ODM products are designed for customers with consistent order and specific design requirements. ODM products are subject to minimum annual order quantities and engineering charges. Evaluation units are available without such restrictions. Advantech has a dedicated project team to serve ODM customers.

For sales inquiries and further information, please contact:

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