

# GMB-945GC

Intel® LGA775 Celeron® 440 Mini-ITX  
with VGA, 4 COM, and Dual LAN



## Features

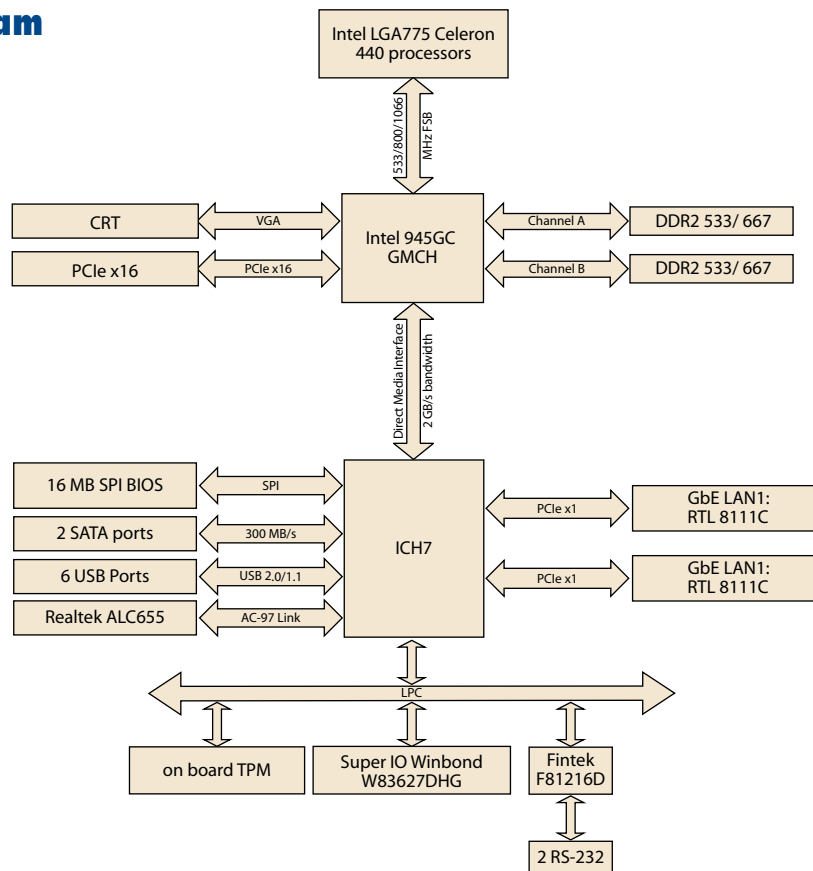
- Supports Intel® LGA775 Celeron® 440 2.0 Ghz processors
- Intel® 945GC and ICH7
- Two SODIMM sockets support up to 2 GB DDR2 533/667 SDRAM
- Supports onboard VGA and PCIe x16 expansion for additional graphics card
- Supports Dual GbE LAN
- Supports 4 COM, and 6 USB
- Supports 2 SATA
- Supports on board TPM (Optional)



## Specifications

Processor System	CPU	Intel Celeron				
	Max. Speed	440 2.0 GHz				
	Front Side Bus	800 MHz				
	L2 Cache	512 K				
	Chipset	Intel 945GC + ICH7				
	BIOS	Award 16 Mbit, SPI				
Expansion Slot	PCI	-				
	Mini-PCI	-				
	PCIe x16	4 GB/s per direction, 1 slot				
Memory	Technology	Dual channel DDR2 533/ 667 SDRAM				
	Max. Capacity	2 GB				
	Socket	2 x 200-pin SODIMM				
Graphics	Controller	Intel Integrated Graphics Media Accelerator 950				
	VRAM	Shared system memory up to 224 MB				
Ethernet	Interface	10/100/1000 Mbps				
	Controller	GbE LAN1: Realtek RTL8111C				
	Connector	RJ-45 x 2				
SATA	Max Data Transfer Rate	300 MB/s				
	Channel	2				
Rear I/O	VGA	1				
	Ethernet	2				
	USB	4 (USB 2.0 compliant)				
	Audio	3 (Mic-in, Line-out, Line-in)				
	Serial	2 (1 x RS-232, 1 x RS-232/422/485)				
	Parallel	-				
	PS/2	2 (1 x keyboard and 1 x mouse)				
Internal Connector	USB	2 (USB 2.0 compliant)				
	Serial	2 (RS-232)				
	IDE	-				
	SATA	2				
	CompactFlash	-				
	Parallel	-				
	IrDA	-				
	DIO	-				
Watchdog Timer	Output	System reset				
	Interval	Programmable 1 ~ 255 sec/min				
Power Requirement	Power On	5 V	3.3 V	12 V	5 Vsb	-12 V
		4 A	1.02 A	2.35 A	0.26 A	0.12 A
Environment	Temperature	Operating			Non-Operating	
		0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution			-20 ~ 70° C (-4 ~ 158° F)	
Physical Characteristics	Dimensions	170 mm x 170 mm (6.69" x 6.69")				

## Board Diagram



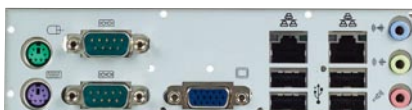
## Ordering Information

Part Number	CPU	VGA	GbE LAN	COM
GMB-945GC-00A1E	-	Yes	2	4
GMB-945GC-01A1E	Yes	Yes	2	4

## Riser Card

Part Number	Description
AIMB-R430P-03A2E	2U riser card with 3 PCI slot expansion

## Bracket View



GMB-945GC-00A1E

## Packing List

Description	Quantity
GMB-945GC	x 1
SATA HDD cable	x 2
SATA Power cable	x 2
Serial cable	x 2
I/O port bracket	x 1
Startup manual	x 1
Driver CD	x 1

## Optional Accessories

Part Number	Description
1700008809	Parallel port cable with bracket
1700002204	Dual port USB cable (27 cm) with bracket
1960022033T000	LGA775 CPU cooler for 2U and wallmount chassis
AIMB-DVI-00A1E	ADD2 DVI expansion card
AIMB-LVDS-00A1E	ADD2 LVDS expansion card
AIMB-VGA-00A1E	ADD2 VGA expansion card
AIMB-HDMI-00A1E	ADD2 HDMI expansion card