

GMB-910

Intel Celeron® M Mini-ITX Motherboard
with Dual VGA, 6 COM, and Dual LAN

Preliminary



Features

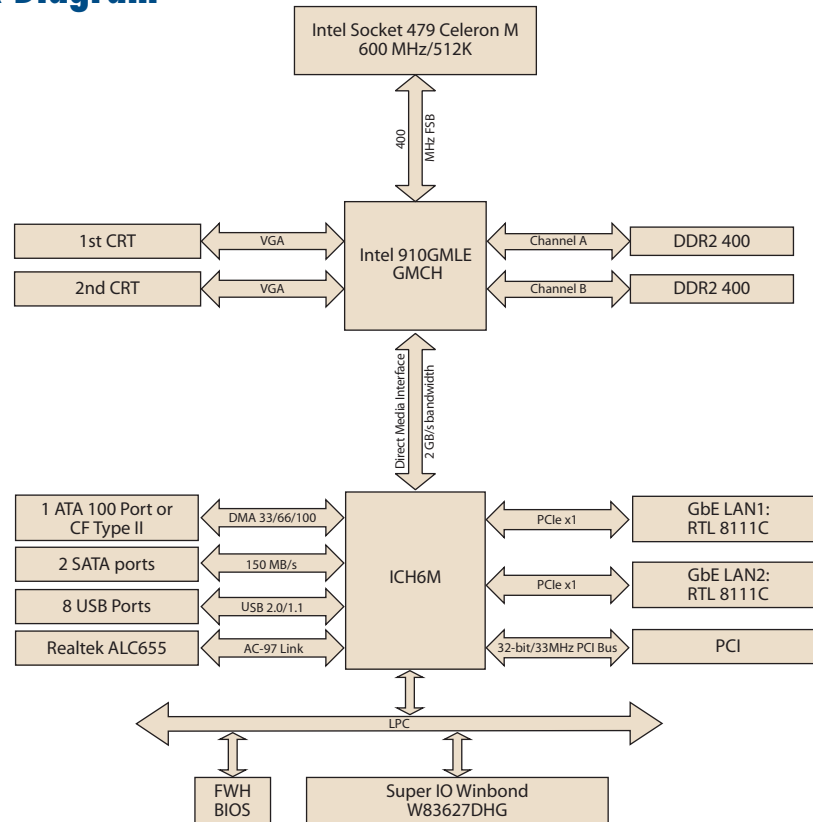
- Onboard Intel Celeron M 600 MHz/512 K
- Intel 910GML and ICH6M
- Two DIMM sockets support up to 2 GB DDR2 400/533 SDRAM
- Supports dual CRT displays
- Supports dual GbE LAN
- Supports up to six serial ports
- Two SATA, eight USB 2.0 ports



Specifications

Processor System	CPU (130/90 nm, µFC-BGA 479)	Intel ULV Celeron M	
	Max. Speed	600 GHz	
	Front Side Bus	400 MHz	
	L2 Cache	512 KB	
	Chipset	Intel 910GML + ICH6M	
	BIOS	Award 4 Mbit FWH	
Expansion Slot	PCI	32-bit/33 MHz, 1 slot	
	Mini-PCI	-	
	PCIe	-	
Memory	Technology	Dual Channel DDR2 400 SDRAM	
	Max. Capacity	2 GB	
	Socket	240-pin DIMM x 2	
Graphics	Controller	Intel 910GML GMCH integrated Graphics Media Accelerator 900	
	VRAM	Intel DVM T 3.0 supports up to 128 MB video memory	
	1st CRT	Supports max. 2048 x 1536 (85 Hz)	
	2nd CRT	Supports max. 2048 x 1536 (85 Hz), through Chronitel 7317	
	DVI	None	
Ethernet	Dual Display	CRT + CRT	
	Interface	10/100/1000Base -T	
	Controller	GbE LAN1: Realtek RTL8111C; GbE LAN2: Realtek RTL8111C	
SATA	Connector	RJ-45 x 2	
	Max Data Transfer Rate	150 MB/s	
EIDE	Channel	2	
	Mode	EIDE (Ultra DMA 100)	
SSD	Channel	1	
	Compact Flash	Supports compact flash type I/II	
Rear I/O	VGA	2	
	Ethernet	2	
	USB	4 (USB 2.0 compliant)	
	Audio	MIC-In, Line-Out, Line-in	
	Serial	2 (RS-232)	
	Parallel	None	
	PS/2	2 (1 x keyboard and 1 x mouse)	
	Internal Connector	USB	4 (USB 2.0 compliant)
		Serial	4 RS-232
IDE		1	
SATA		2	
Compact Flash		1	
IrDA		None	
DIO		None	
Watchdog Timer	Output	Interrupt, system reset	
	Interval	Programmable 1 ~ 255 sec/ min	
Power Requirement	Typical	TBD	
		+5 V +3.3 V +12 V +5 VSB	
Environment	Operating		
	Temperature	0 ~ 60° C (32 ~ 140° F)	
Physical Characteristics	Dimensions	170 mm x 170 mm (6.69" x 6.69")	

Board Block Diagram



Ordering Information

Part Number	CPU	Chipset	GbE	COM	VGA	PCI
GMB-910-M6A1E	600/512	910 GMLE	2	6	2	1

Riser Card

Part Number	Description
AIMB-RP30P-03A1E	2U riser card with 3 PCI slot expansion

I/O View



Packing List

Description	Quantity
GMB-910 SBC	x 1
CPU Heatsink	x 1
I/O port bracket	x 1

Accessories

Part Number	Description
1700003195	USB cable with two ports, 17.5 cm
1700002204	USB cable with two ports, 27 cm
1700002314	USB cable with four ports, 30.5 cm