

GMB-910

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

Preliminary



Features

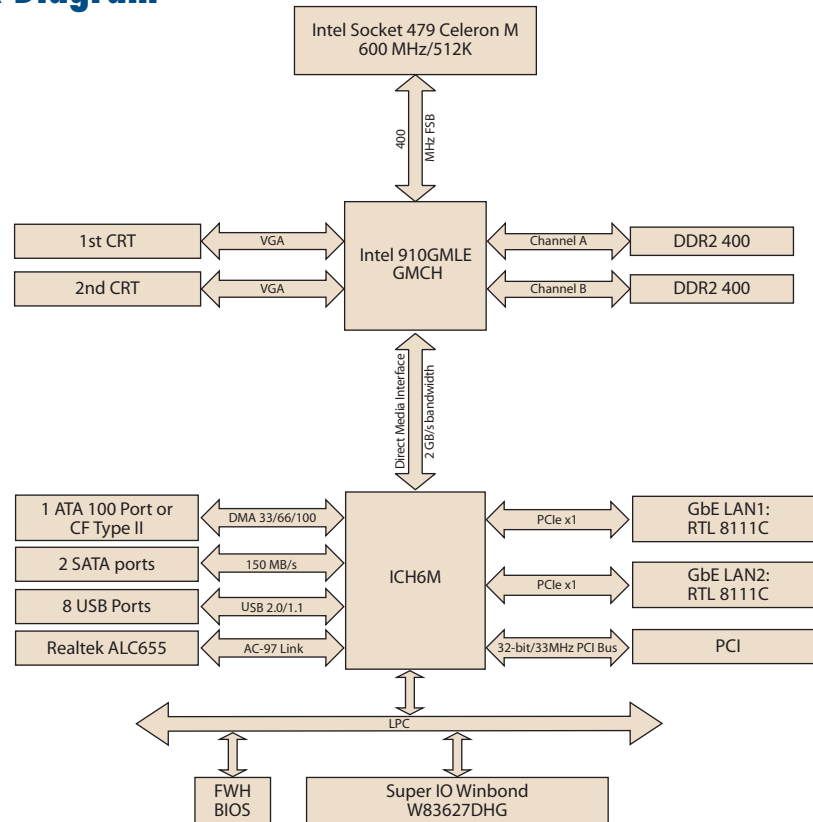
- Onboard Intel Celeron M 600 MHz/512 K
- Intel 910GML and ICH6M
- Two DIMM sockets support up to 2 GB DDR2 400/533 SDRAM
- Supports dual CRT displays
- Supports dual GbE LAN
- Supports up to six serial ports
- Two SATA, eight USB 2.0 ports



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)		
Internal Connector	Serial	4 RS-232			
	IDE	1			
	SATA	2			
	Compact Flash	1			
	IrDA	None			
	DIO	None			
	Watchdog Timer	Output	Interrupt, system reset		
Power Requirement	Interval	Programmable 1 ~ 255 sec/ min			
	Typical	TBD			
Environment	+5 V	+3.3 V	+12 V	+5 VSB	
	Operating	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

IO 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