

# AIMB-267 KIOSK

Intel® Core™2 Quad LGA 775  
mini-ITX with CRT/LVDS,  
8 COM, Dual LAN



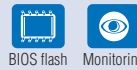
## Features

- Intel® G41 chipsets supports 1333/1066/800 MHz FSB
- Single channel DDR3 1066/800 MHz SDRAM up to 4 GB
- Supports CRT and single/dual channel 24/48 bit LVDS panel and dual channel 6 W amplifier
- Supports 8 serial ports, 8 USB, 8-bit GPIO, dual LAN
- Support PCIe1, CF card

### Software APIs:



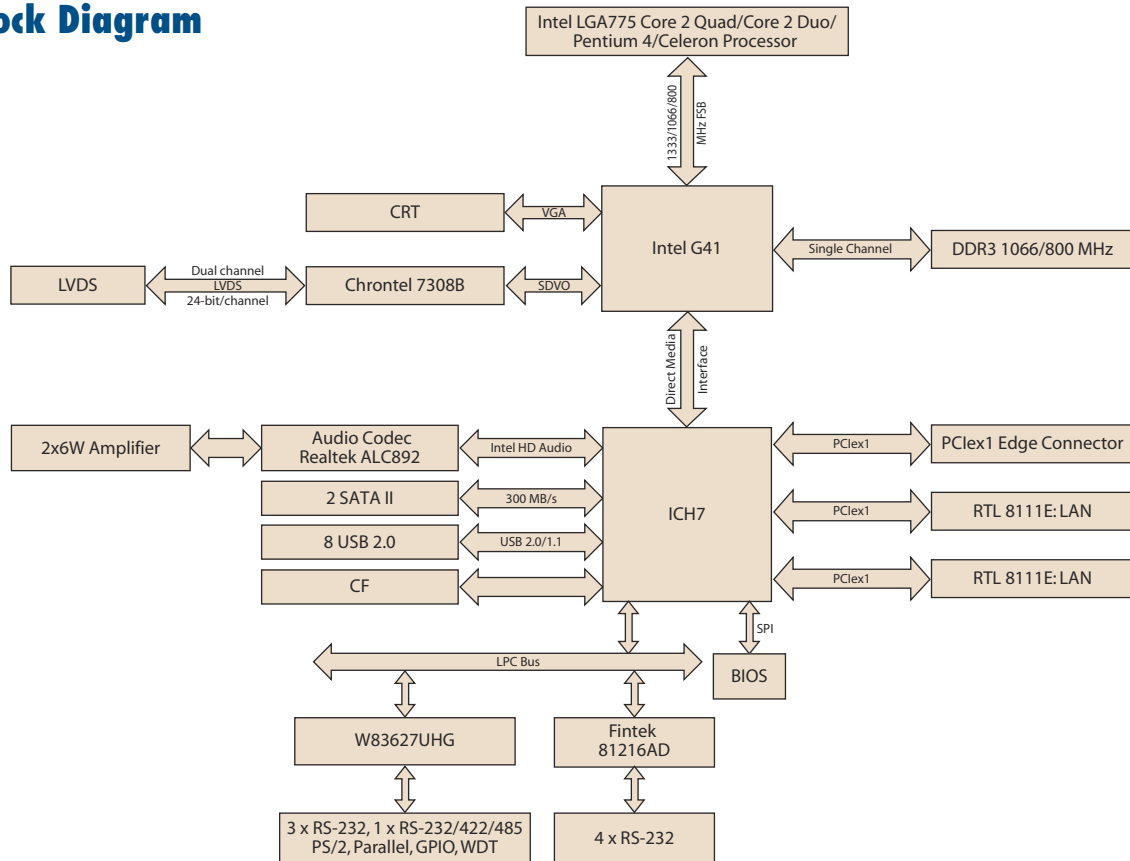
### Utilities:



## Specifications

Processor System	CPU (45nm/65nm)	Intel Core 2 Quad	Intel Core 2 Duo	Intel Pentium	Intel Celeron
	Max. Speed	Q9650 3.0GHz	E8400 3.0 GHz	E2160 1.80 GHz	E1500 2.20 GHz
	L2 Cache	12M	6M	1 M	512 KB
	Chipset	Intel G41+ICH7			
	BIOS	AMI 16Mbit, SPI			
	Front Side Bus	1333/1066/800 MHz			
Expansion Slot	PCIe x16	-			
	PCIe x1	250 MB per direction, 1			
	PCI	-			
Memory	Technology	Single Channel DDR3 1066/800 MHz			
	Max. Capacity	4 GB			
	Socket	1 x 240-pin DIMM (Non-ECC)			
Graphics	Embedded	Intel GMA X4500 sharing 352M system memory			
	LVDS	Supports single channel 24-bit/dual channel 48-bit LVDS, via Chronitel 7308B SDVO transmitter			
	CRT	Supports 1 CRT			
	Dual Display	CRT + LVDS			
Ethernet	Interface	10/100/1000 Mbps			
	Controller	GbE LAN Realtek 8111E			
	Connector	RJ-45 x 2			
SATA II	Max. Data Transfer Rate	300 MB/s			
	Channel	2			
EIDE	Mode	-			
	Channel	-			
I/O Interface	CRT	1			
	USB	8			
	Audio	3 (Mic-in, Line-in, Line-out)			
	Serial	8 (7 of RS-232, COM 3 supports RS-232/422/485, supports RS-485 auto flow control)			
	Parallel	1 (SPP/EPP/ECP)			
	FDD	-			
	PS/2	2 (1 x keyboard and 1 x mouse)			
	GPIO	8-bit GPIO			
Watchdog Timer	Output	System reset			
	Interval	Programmable 1 ~ 255 sec/min			
Power Requirements	Power On	Intel Core 2 Quad Q9400 2.66GHz FSB 1333 MHz, 2GB DDR3 1066 SDRAM			
		3.3 V	5 V	12 V	5 Vsb -12 V
		0.35 A	1.91 A	1.29 A	0.18 A 0.06 A
Environment		Operating		Non-Operating	
	Temperature	0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution		-40 ~ 85° C (-40 ~ 185° F)	
Physical Characteristics	Dimensions (W x D)	170 x 170 mm (6.69" x 6.69")			

### Block Diagram



### Ordering Information

Part Number	Chipset	Display	COM	GbE LAN
AIMB-267G2-KSA1E	G41	1 CRT, 1 LVDS	8	2
AIMB-267VG-KSA1E	G41	1 CRT	8	1

\*We strongly suggest using only Advantech's certified LGA775 CPU cooler's to ensure board reliability under harsh conditions.

### I/O View



AIMB-267G2-KSA1E  
AIMB-267VG-KSA1E

### Packing List

Part Number	Description	Quantity
1700003194	Serial ATA HDD data cable	x2
1700000447	1-to-4 serial ports cable kit 45 cm	x1
1960022933T100	I/O port bracket	x1
2006026700	Startup Manual	x1
2066026700	Utility CD	x1
1700100250	COM port cable kit	x1

### Optional Accessories

Part Number	Description
1700260250	Printer port cable, 25 cm
1700002314	USB cable with four ports, 30.5 cm
1700002204	USB cable with dual ports, 27 cm
1700003195	USB cable with dual ports, 17.5 cm
1750000334	LGA 775 CPU cooler (115W)
1701400181	1-to-4 serial ports cable kit, 18 cm
1700000447	1-to-4 serial ports cable kit, 45 cm

### Embedded OS/API

OS/API	Part No.	Description
Win XPE	2070010995	Image WES09 AIMB-267 V4.0 ENG ATIP
Software API	TBD	SUSI V3.0 SW API for AIMB-267 XP