

# AIMB-280

Intel® Core™ i7/i5/i3/Pentium® Mini-ITX  
with VGA/DVI, 2 COM, Dual LAN, PCIe x16

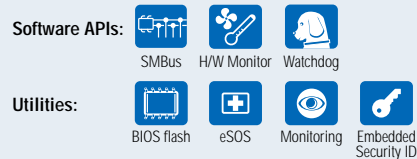
NEW



CE FCC

## Features

- Supports Intel® Core™ i7/i5/i3/Pentium® processor with Q57 chipset
- One DIMM socket supports up to 4 GB DDR3 800/1066/1333
- Supports dual display, VGA and DVI; and dual GbE LAN
- Supports 2 COM, 8 USB, and 4 SATA ports
- Supports embedded software APIs and Utilities

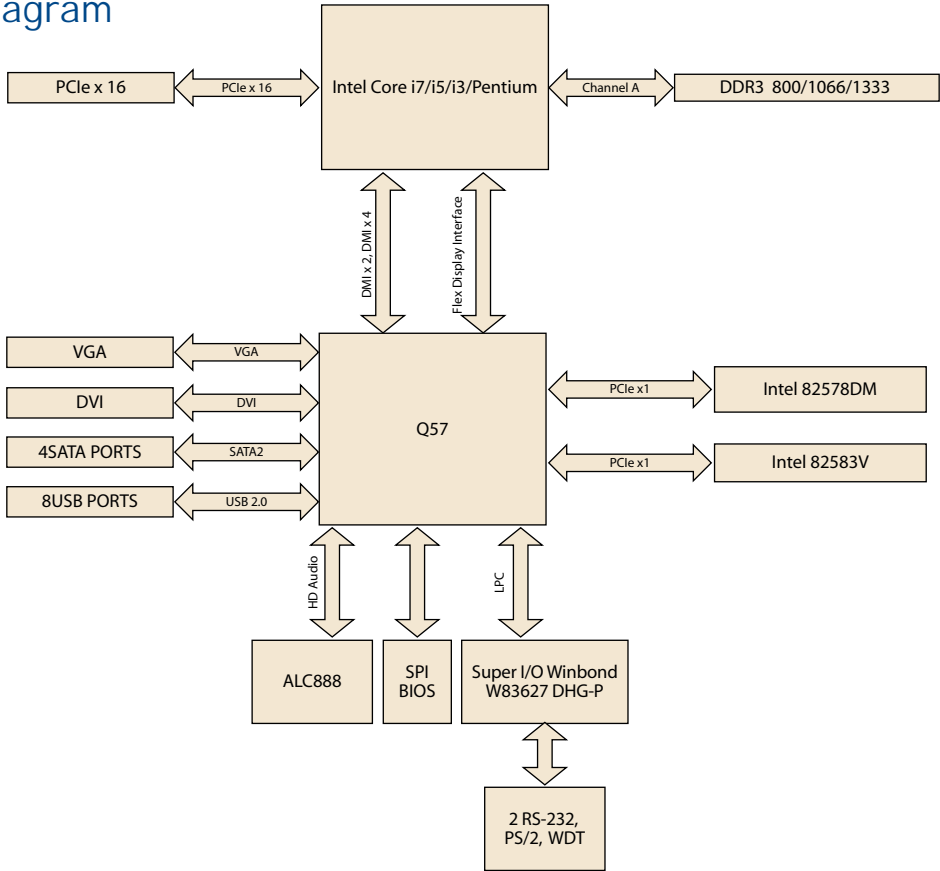


Note: eSOS requires ODM BIOS, available by request

## Specifications

Processor System	CPU	Core i7	Core i5 700	Core i5 600	Core i3	Pentium	
	Max. Speed	4	4	2	2	2	
	Max. speed	2.93 GHz	2.66 GHz	3.3 GHz	3.06 GHz	2.8 GHz	
	Integrated Graphics	No	No	Yes	Yes	Yes	
	L2 Cache	8 MB	8 MB	4 MB	4 MB	3 MB	
	Chipset	Q57					
Expansion Slot	BIOS	AMI 64 Mbit SPI					
	PCI	-					
	Mini-PCI	-					
Memory	PCIe x16 (Gen2)	8 GB/s per direction, 1 slot					
	Technology	DDR3 800/1066/1333					
	Max. Capacity	4 GB					
Graphics	Socket	1 x 240-pin DIMM					
	Controller	Intel HD Graphics					
Ethernet	VRAM	1 GB maximum shared memory with 2 GB and above system memory installed					
	Interface	10/100/1000 Mbps					
	Controller	GbE LAN1: Intel 82578DM, LAN2: Intel 82583V					
SATA	Connector	RJ-45 x 2					
	Max Data Transfer Rate	300 MB/s					
Rear I/O	Channel	4					
	VGA	1					
	DVI	1					
	Ethernet	2					
	USB	4 (USB 2.0 compliant)					
	Audio	3 (Mic-in, Line-out, Line-in)					
	Serial	2 (RS-232)					
	PS/2	2 (1 x keyboard and 1 x mouse)					
Internal Connector	USB	4 (USB 2.0 compliant)					
	Serial	-					
	IDE	-					
	SATA	4					
	CompactFlash	-					
	Parallel	-					
	IrDA	-					
	DIO	-					
Watchdog Timer	Output	System reset					
	Interval	Programmable 1 ~ 255 sec/min					
Power Requirements	Power On	5 V	3.3 V	12 V	5 Vsb	-12 V	
		1.85 A	0.73 A	3.14 A	0.31 A	0.11 A	
Environment	Operating	0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution				Non-Operating	
	Temperature					-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	Chipset	VGA	DVI	SW RAID	USB	COM	GbE LAN
AIMB-280QG2-00A1E	Q57	Yes	Yes	Yes	8	2	2

Optional Accessories

Part Number	Description
1700002204	Dual port USB cable (27 cm) with bracket
1960047670N001	LGA1156 CPU cooler for 2U and wallmount chassis

Packing List

Part Number	Description	Quantity
1700003194	SATA HDD cable	2
1703150102	SATA Power cable	2
1960019193T100	I/O port bracket	1
2002028010	Startup manual	1
2062028000	Driver CD	1

Embedded OS

OS	Part No.	Description
Win XPE	2070009652	XPE WES2009 Q57 AIMB-280/580/780 V4.0 ENG
	2070009653	XPE WES2009 Q57 AIMB-280/580/780 V4.0 MUI24

Bracket View



