

# AIMB-201DS

Intel® Core™ i7/i5/i3/Celeron® uFC-PGA988  
Mini-ITX with 3 HDMI(CEC), 1 COM, Single  
LAN

NEW



iManager susiAccess RoHS COMPLIANT CE FCC

## Features

- Supports Intel® Core™ i7/i5/i3 mobile processor (PGA) with Intel QM77 chipset
- Supports triple independent display of 3 HDMI(CEC)
- Supports miniPCIe, cFast
- 19V<sub>DC</sub> power input, supports DC power hot plug
- Supports iManager, SUSIAccess and Embedded Software APIs

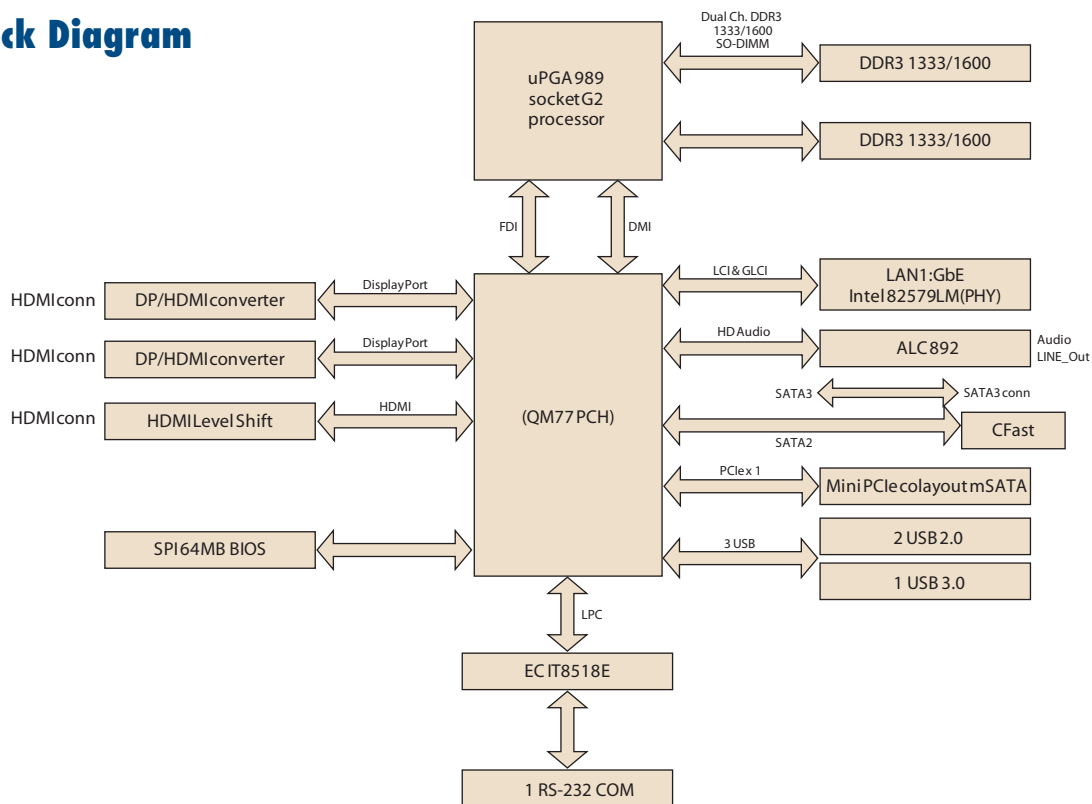
Software APIs:  SMBus  H/W Monitor  Watchdog

Utilities:  BIOS flash  Monitoring

## Specifications

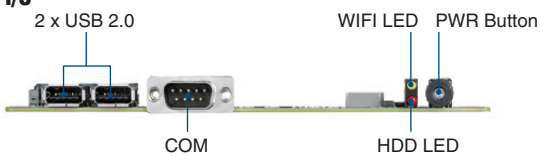
Processor System	CPU	Intel Core i7-3610QE	Intel Core i7-2710QE	Core i5-3610ME	Core i5-2510E	Core i3-3120ME	Core i3-2330E	Celeron B810	
	Core Number	4	4	2	2	2	2	2	
	Max Speed	2.3 GHz	2.1 GHz	2.7GHz	2.5 GHz	2.4GHz	2.2 GHz	1.6 GHz	
	L3 Cache	6 MB	6 MB	3MB	3 MB	3MB	3 MB	2 MB	
	Chipset	QM77							
	BIOS	AMI EFI 64 Mbit SPI							
Expansion Slot	PCI	-							
	Mini-PCIe	1							
	PCIe x16 (Gen3)	-							
Memory	Technology	Dual Channel DDR3 1333/1600 MHz SDRAM							
	Max. Capacity	16 GB/up to 8 GB per SODIMM							
	Socket	2 x 204 PIN DDR3 SODIMM							
Graphics	Controller	Integrated Gfx Gen 7, supports DirectX11, OpenGL 3.1 and OpenCL 1.1, Full AVC, VC1, MPEG2 H/W							
	VRAM	Shared system memory, 2 GB and above, total system memory shared 1 GB maximum video memory							
	HDMI	3 (Supports 1920 x 1080p at 60 Hz, 36 bpp, Supports HDMI v1.3)							
Ethernet	Interface	10/100/1000 Mbps							
	Controller	GbE LAN1: Intel 82579LM							
	Connector	RJ-45 x 1							
SATA	Max Data Transfer Rate	600 MB/s (SATA 3.0)							
	Channel	1							
Rear/Front I/O	CRT	-							
	HDMI	3 (Rear)							
	Display Port	-							
	Ethernet	1 (Rear)							
	USB	3 (Rear 1 x USB 3.0, 2 x USB 2.0 Front)							
	Audio	1 (Line-out)							
	Serial	1 (Front)							
	DC-jack	1 (Rear)							
Internal Connector	USB	-							
	LVDS/inverter	-							
	Serial	-							
	IDE	-							
	SATA	1 (SATA 3.0)							
	MiniPCIe (colay CFast)	1 (for optional expansion modules)							
	Parallel	-							
	IrDA	-							
Power input	1 (DC-in Jack)								
Watchdog Timer	Output	System reset							
	Interval	Programmable 1 ~ 255 sec/min							
	Management	ACPI 3.0							
Power Requirements	Power Consumption	Up 90W Support							
	Input Voltage	19V DC-in(ATX/AT mode, default ATX)							
	Others	Supports Boot on Power back and schedule boot up function							
	Environment	Operating							Non-Operating
Physical Characteristics	Temperature	0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution						-20 ~ 70° C (-4 ~ 158° F)	
		Dimensions	170 mm x 170 mm (6.69" x 6.69")						

### Block Diagram

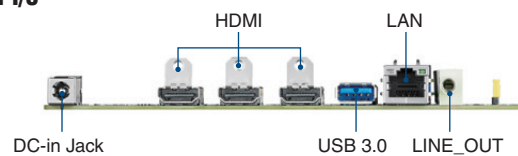


### AIMB-201DS I/O Placement

#### Front I/O



#### Rear I/O



### Ordering Information

Part Number	Chipset	HDMI	CRT	LAN	Storage	I/O
AIMB-201VG-DSA1E	QM77	3(CEC)	(1)	1	1 x SATA 3.0, CFast, miniPCle (co-lay mSATA)	1 COM 3 USB (1 USB 3.0, 2 USB2.0)

\*(\*)BOM options available on MP version

### Packing List

Part Number	Description	Quantity
TBD	I/O port bracket	2
2006A20110	Startup manual	1
2066A20100	Driver CD	1

### Optional Accessories

Part Number	Description
1757003734	ADAPTER 100-240V 65W 19V 3.42A
1700019384	SATA power cable 30cm
1700017999	SATA power cable 17cm
1960057850T001	Heat Pipe
1960051292N001	CPU Cooler
1700003195	USB cable with two ports, 17.5 cm
1700002204	USB cable with two ports, 27 cm
1700008461	USB cable with four ports, 30.5 cm

### Embedded OS/API

OS/API	Part No.	Description
Win XPE		XPE WES 2009 V4.0 ENG with Acronis PSNL XPE WES09 AIMB-201 V4.0 ENG_CHT ATI PSNL
Software API		SUSI 3.0 SW API for AIMB-201 XP