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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

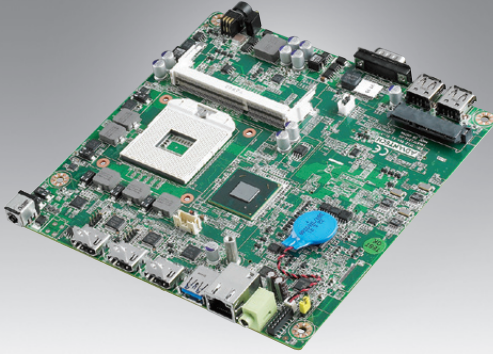
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



AIMB-201DS




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

NEW



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_{DC} power input, supports DC power hot plug
- Supports iManager, SUSIAccess and Embedded Software APIs

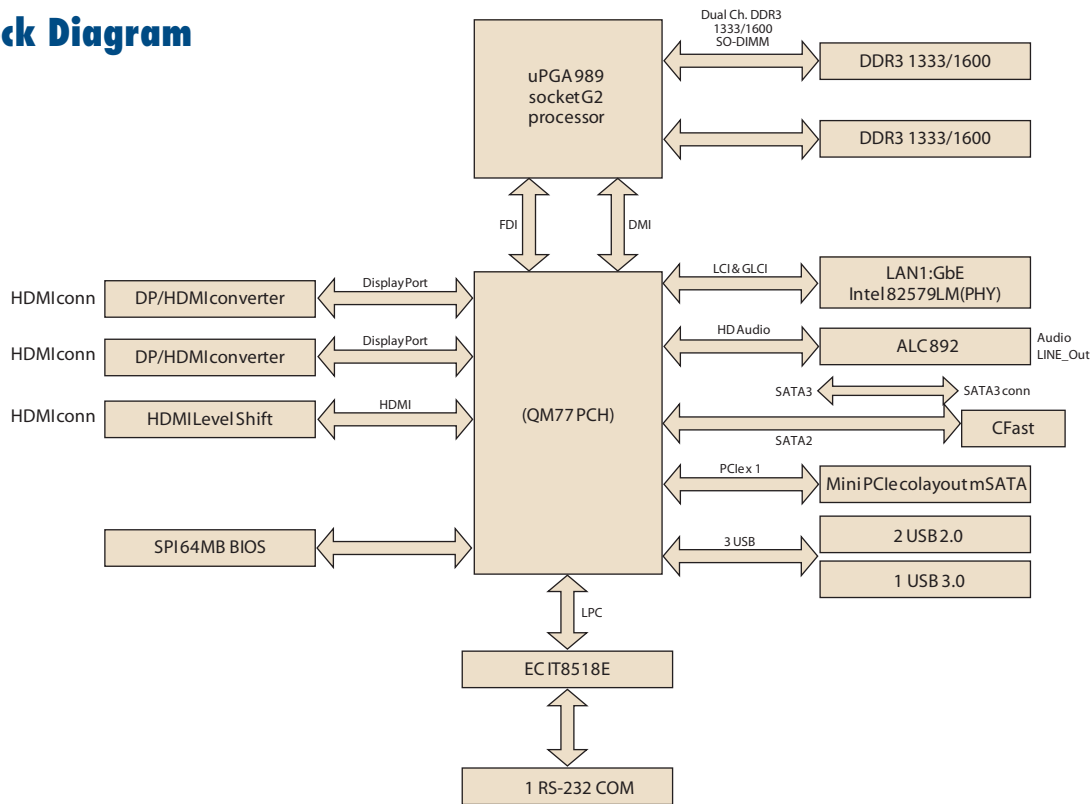
Software APIs:  SMBus  H/W Monitor  Watchdog

Utilities:  BIOS flash  Monitoring

Specifications

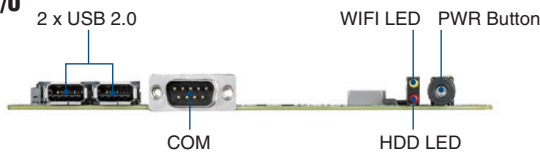
Processor System	CPU	Intel Core i7-3610QE	Intel Core i7-2710QE	Core i5-3610ME	Core i5-2510E	Core i3-3120ME	Core i3-2330E	Celeron B810	
	Core Number	4	4	2	2	2	2	2	
	Max Speed	2.3 GHz	2.1 GHz	2.7GHz	2.5 GHz	2.4GHz	2.2 GHz	1.6 GHz	
	L3 Cache	6 MB	6 MB	3MB	3 MB	3MB	3 MB	2 MB	
	Chipset	QM77							
	BIOS	AMI 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 mSATA)	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)							
Environment	Temperature	Operating					Non-Operating		
		0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution					-20 ~ 70° C (-4 ~ 158° F)		
Physical Characteristics	Dimensions	170 mm x 170 mm (6.69" x 6.69")							

Block Diagram

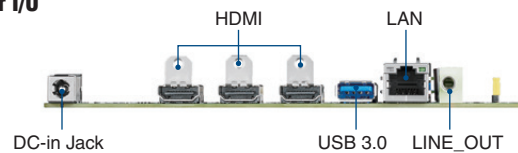


AIMB-201DS I/O Placement

Front I/O



Rear I/O



Ordering Information

	Part Number	Chipset	HDMI	LAN	Storage	I/O
Industrial Motherboard	AIMB-201VG-DSA1E	QM77	3 (CEC)	1	1 x SATA 3.0, CFast, miniPCIe (co-lay mSATA)	1 COM, 3 USB (1xUSB3.0, 2xUSB2.0)

	Part Number	Chipset	Front IO		Rear IO			Remark	
			USB 2.0	COM	HDMI	USB 3.0	LAN		Audio-Line Out
Mini-ITX System	AIMB-B12010-00Y1E	QM77	2	1	3	1	1	1	Barebone, with thermal module

Packing List

Part Number	Description	Quantity
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	Thermal module
1960051292N001	CPU Cooler
1700021320-0	Fan transfer cable (when using CPU Cooler)

Embedded OS/API

OS/API	Part No.	Description
Win	2070011815	WES7E AIMB-201 V5.1.4 ENG/TC/SC SA
Embedded	2070011814	WES7E 64-bits AIMB-201 V5.6.4 ENG/TC/SC
Win XPE	2070011818	WES2009 AIMB-201VG-DSA1E V4.3 ENG/TC/SC;SA
Software API		SUSI 3.0 SW API for AIMB-201 XP