

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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

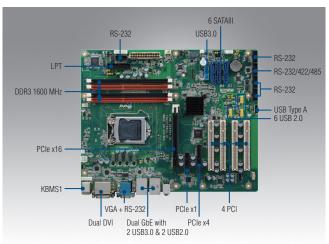






AIMB-784

LGA1150 4th Generation Intel® Core™ i7/i5/i3/Pentium ATX with DVI/VGA, DDR3, SATA III



Features

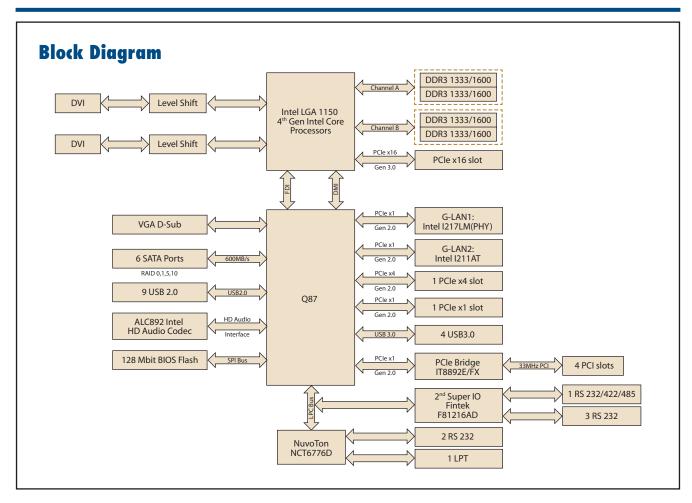
- 4th generation Intel® Core™ processor-based platform
- Supports Intel® Core™ i7/i5/i3 processor with Q87 chipset
- Four DIMM sockets support up to 32 GB DDR3 1333/1600
- Supports triple display VGA/2 DVI-D and dual GbE LAN
- Supports SATA RAID 0, 1, 5, 10, USB 3.0
- Supports Intel vPro, iAMT 9.0 & TPM technologies
- Note: PCA-TPM-00A1E module is required to enable Intel vPro and TPM technologies

Quiet

C € FCC

Specifications

								10		10	10	10	10				
	CPU	i7- 4790S	i7- 4790T	i7- 4770S	i7- 4770TE	i5- 4590S	i5- 4590T	i5- 4570S	i5- 4570TE	i3- 4360	i3- 4350T	i3- 4330	i3- 4330TE	G3420	G3320TE	G1820	G1820TE
	Speed	3.2GHz		3.1GHz	2.3GHz	3.0GHz	2.0GHz	2.9GHz	2.7GHz	3.7GHz	3.1GHz	3.5GHz		3.2 GHz	2.3 GHz	2.7 GHz	2.2 GHz
Processor System	L3 Cache	8MB	8MB	8MB	8MB	6MB	6MB	6MB	4MB	4MB	4MB	4MB	4MB	3MB	3MB	2MB	2MB
	Socket	LGA115	0														
	Chipset	Q87															
	BIOS	AMI 128	Mbit SPI														
	PCI	32-bit/3	3 MHz, 4 s	slots													
Expansion Slot	PCIe x 1 (Gen2)	500 MB	s per dire	ction, 1 sl	ot												
Expansion Siot	PCle x 4 (Gen2)	2.0 GB/s	per direc	tion, 1 slo	t												
	PCle x16 (Gen3)			ion, 1 slot													
	Technology		annel DDF	3 1333/16	600												
Memory	Max. Capacity	32 GB															
	Socket		pin DIMN														
Graphics	Controller			(Depends		,											
Стартноз	VRAM			ared mem	ory with 2	GB and a	bove syste	m memor	y installed								
	Interface		1000 Mbp														
Ethernet	Controller			17LM, Gb	E LAN2: II	ntel I211A	T										
	Connector	RJ-45 x															
SATA	Max Data Transfer Rate	600 MB,	/s														
	Channel	6															
	VGA	1															
	DVI	2															
5 1/0	Ethernet	2 (GbE)															
Rear I/O	USB	4 (Two L	,														
	Audio	2 (Mic-in, Line-out)															
	Serial	1 (RS-23	,		,												
	PS/2			ıd 1 x mou	se)												
	USB	9 (Two L	/	DO 000/4	20/405												
	Serial		5-232, 1X	RS-232/4	22/485 WI	n auto-fio	w control)										
Internal Connectors	SATA	6 1															
	Parallel	ı															
	Display Port	-															
	IrDA	-															
	GPIO Output	Custom	root														
Watchdog Timer	Output	System		255 000													
	Interval		mable 1 ~		or DDD2	00D v4											
Dower Paguiroment	Power On		e 17-4790	S process	or; DDR3 : 5V	SuB X4		12V			5VSB			101/			
Power Requirement		3.3V			1.554			4.922						-12V 0.044			
		1.060	0		1.004			4.922		Non-Ope	0.048			0.044			
Environment	Tomporaturo	Operatin		100 E) dor	ande on (DILencor	l and cool	or colution			erating ° C (-40 -	105° E\					
Dhysical Characteristics	Temperature			10° F), dep		o sheer	anu cool	51 301011011		-40 ~ 83	U (-40 ~	100 F)					
Physical Characteristics	Dimensions	304.8 X	244 MM (12" x 9.6")													



Ordering Information

Part Number	Chipset	Memory	Display	USB 3.0	USB 2.0	COM	GbE LAN	AMT	SATA III	SW RAID
AIMB-784G2-00A1E	Q87	Non-ECC DDR3	VGA + dual DVI	4	9	6	2	Yes	6	Yes

Packing List

Part Number	Description	Quantity
1700003194	SATA HDD cable	x 2
1700022749-11	SATA power cable	x 1
19Z0000454T000	I/O port bracket	x 1
2006078410	Startup manual	x 1
2066078401	Driver CD	x 1

I/O View



AIMB-784G2-00A1E

Optional Accessories

•	
Part Number	Description
1700002204	Dual port USB 2.0 cable (27 cm) with bracket
1700020277-01	Dual port USB 3.0 Cable with bracket
1960047669N001	CPU cooler for 4U and wallmount chassis
1960047831N001	CPU cooler for 2U and wallmount chassis
1960049408N001	CPU passive heatsink for 1U chassis
1960069682N001	I/O port bracket for 1U chassis
1700020294-01	Printer port cable kit (42 cm)
1701092300	COM port cable kit
PCA-TPM-00A1E	TPM module to enable TPM and vPro technologies

Note: Purchasing AIMB-784's proprietary CPU cooler from Advantech is a must. Other brands' CPU coolers are NOT compatible with AIMB-784.

Riser Card

Part Number	Description
AIMB-RF10F-01A1E	1U riser card with 1 PCle x 16 expansion
AIMB-R43PF-21A1E	2U riser card with 1 PCle x16 & 2 PCl expansion