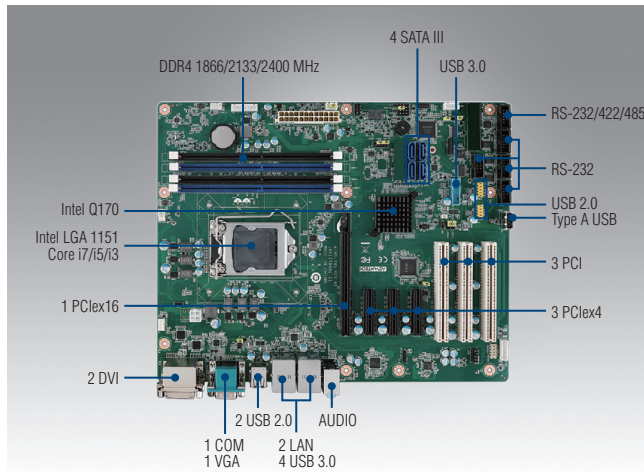


AIMB-785

**LGA1151 6th/7th Generation Intel®
Core™ i7/i5/i3/Pentium®/Celeron® ATX
with Triple Display, DDR4, SATA III**



Features

- Supports Intel® 6th/7th generation Core™ i7/i5/i3/Pentium®/Celeron® processor with Q170 chipset
- Four DIMM sockets support up to 64 GB DDR4 1866/2133/2400
- Supports triple display VGA/2 DVI-D and dual GbE LAN
- Supports SATA RAID 0, 1, 5, 10, USB 3.0
- Supports Intel vPro, AMT 11.0 & TPM technologies

Note 1: dTPM 2.0 module is required to enable Intel vPro and TPM technologies.

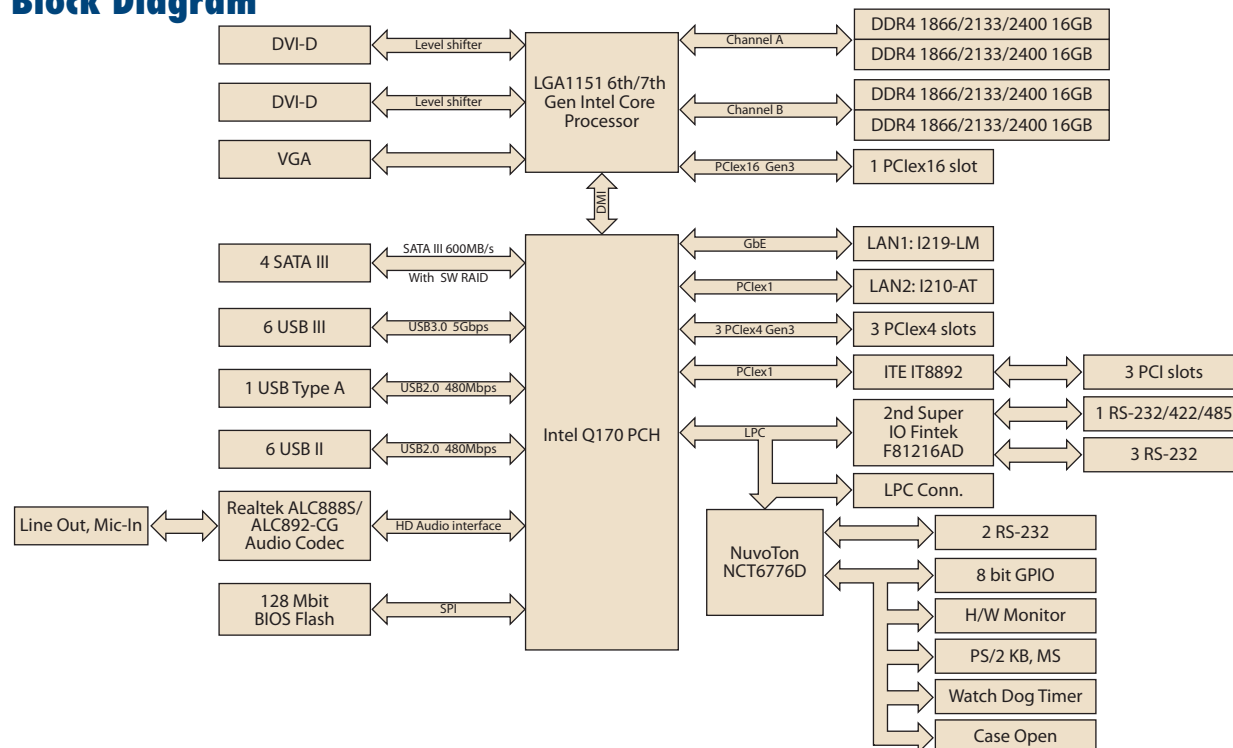
Note 2: Only Intel 6th generation processor can support Windows 7.

Quiet Specifications

CE FCC

Processor System	CPU	i7-7700	i7-7700T	i7-6700	i7-6700TE	i5-7500	i5-7500T	i5-6500	i5-6500TE	i3-7101E	i3-7101TE	i3-6100	i3-6100TE	G4400	G4400TE	G3900	G3900TE								
	Speed	3.6GHz	2.9GHz	3.4GHz	2.4GHz	3.4GHz	2.7GHz	3.2GHz	2.3GHz	3.9GHz	3.4GHz	3.7GHz	2.7GHz	3.3GHz	2.9GHz	2.8GHz	2.6GHz								
	L3 Cache	8MB	8MB	8MB	8MB	6MB	6MB	6MB	6MB	3MB	3MB	4MB	4MB	3MB	3MB	2MB	2MB								
	Cores	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2								
	TDP	65 W	35 W	65 W	35 W	65 W	35 W	65 W	35 W	54 W	35 W	65 W	35 W	65 W	35 W	65 W	35 W								
	Socket	LGA1151																							
	Chipset	Q170																							
	BIOS	AMI 128 Mbit SPI																							
Expansion Slot	PCI	32-bit/33 MHz, 3 slots																							
	PCIe x 4 (Gen3)	4 GB/s per direction, 3 slots																							
	PCIe x16 (Gen3)	16 GB/s per direction, 1 slot																							
Memory	Technology	Dual Channel Non-ECC UDIMM DDR4 1866/2133/2400																							
	Max. Capacity	64 GB																							
	Socket	4 (288-pin DIMM)																							
Graphics	Controller	Intel HD Graphics																							
	VRAM	1 GB maximum shared memory with 2 GB and above system memory installed																							
Ethernet	Interface	10/100/1000 Mbps																							
	Controller	GbE LAN1: Intel I219LM, GbE LAN2: Intel I210-AT																							
	Connector	2 (RJ-45)																							
SATA	Max Data Transfer Rate	600 MB/s																							
	Channel	4																							
	RAID	0,1,5,10																							
Rear I/O	VGA	1 (Up to 1920x1200@60Hz)																							
	DVI-D	2 (Up to 1920x1200@60Hz)																							
	Ethernet	2																							
	USB	6 (USB3.0 x 4, USB2.0 x 2)																							
	Audio	2 (Mic-in, Line-out)																							
Internal Connectors	Serial	1 (RS-232)																							
	USB	7 (USB 3.0 with wafer box x 2, USB 2.0 with wafer box x 4, USB 2.0 with type A connector x 1)																							
	Serial	5 (4 x RS-232, 1 x RS-232/422/485)																							
	SATA	4																							
	LPC	1 (Optional dTPM 2.0 module available)																							
	GPIO	8-bit																							
Watchdog Timer	PS/2 KB/Mouse	1 (Optional PS/2 KB/Mouse Cable is required)																							
	Output	System reset																							
Power Requirement	Interval	Programmable 1 ~ 255 sec																							
	Power On	Intel Core i7-6700 3.4GHz; DDR4 2133 8GB x 4																							
	Voltage	+12V				+5V				+3.3V				+5Vsb				-12V				-5V			
Environment	Current	6.78A				1.38A				1.35A				0.12A				0.05A				0.05A			
	Operating	0 ~ 60 °C (32 ~ 140 °F), depends on CPU speed and system thermal solution												Non-Operating				-40 ~ 85 °C (-40 ~ 185 °F)							
Physical Characteristics	Dimensions (L x H)	304.8 x 244 mm (12" x 9.6")																							

Block Diagram



Ordering Information

Part Number	Chipset	Memory	Display	USB 3.0	USB 2.0	COM	GbE LAN	AMT	SATA III	SW RAID
AIMB-785G2-00A4	Q170	Non-ECC DDR4 1866/2133/2400 up to 64GB	VGA + dual DVI	6	7	6	2	Yes	4	Yes
AIMB-785G2-00A4U (Made in Taiwan)	Q170	Non-ECC DDR4 1866/2133/2400 up to 64GB	VGA + dual DVI	6	7	6	2	Yes	4	Yes

Packing List

Part Number	Description	Quantity
1700003194	SATA HDD cable	x 2
1700022749-11/ 1700022749-12/ 1700022749-13/	SATA power cable	x 2
19Z0000884T000	I/O port bracket	x 1
2001078513	Startup manual	x 1

Embedded OS

Part Number	Description
20706WX9HS0033	img W10 19HL AIMB-785 64b 1809 ENU
20706WX9VS0036	img W10 19VL AIMB-785 64b 1809 ENU
20706WX9ES0046	img W10 19EL AIMB-785 64b 1809 ENU

I/O View



AIMB-785G2-00A4
AIMB-785G2-00A4U

Optional Accessories

Part Number	Description
1700002204	2-port USB 2.0 cable w/ BKT(27 cm)
1700028292-01	2-port USB 3.0 cable w/ BKT(30 cm)
1960052651N021	CPU cooler for 2U, 4U and wallmount chassis
1960049408N001	CPU heatsink for 1U chassis (for CPU TDP=35W only)
1960069666N101	IO bracket for 1U chassis ACP-1010MB only
1701092300	Dual COM port cable(28.5 cm)
1700019268-11	PS/2 KB/Mouse cable
1960063434N000	IO bracket for PS/2 KB/Mouse cable
PCA-TPM-00B1E	dTPM 2.0 LPC module to enable TPM and vPro technologies
98R1RTSWF00	Remote switch connector with full-height bracket
98R1RTSWH00	Remote switch connector with half-height bracket

Note: Purchasing AIMB-785's proprietary CPU cooler from Advantech is a must. Other brands' CPU coolers are NOT compatible with AIMB-785.

Riser Card

Part Number	Description
AIMB-RF10F-01A1E	1U riser card with 1 PClex16 expansion
AIMB-R4104-01A1E	1U riser card with 1 PClex4 expansion
AIMB-R430P-03A2E	2U riser card with 3 PCI expansion
AIMB-R431F-21A1E	2U riser card with 1 PClex16 & 1 PClex1 expansion
AIMB-R43PF-21A1E	2U riser card with 1 PClex16 & 2 PCI expansion
AIMB-R4301-03A2E	2U riser card with 1 PClex1 expansion
ASMB-RM2F4-11A1	2U riser card with 1 PClex16 & 1 PClex4 expansion

Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

 Uhlířská 1064/3, 710 00 Ostrava, Česká republika

 obchod@autocont-ipc.cz

 +420 552 301 002

 www.autocont-ipc.cz



PRŮMYSLOVÉ POČÍTAČE

fanless embedded PC, do racku, ...



POČÍTAČE S DISPLEJEM

panelové PC, terminály, do vozidel, ...



AUTOMATIZACE A SBĚR DAT

převodníky, karty, moduly, switche, ...



PERIFERIE A KOMPONENTY

monitory, klávesnice, desky, skříně, ...



NOTEBOOKY A TABLETY

odolné, windows, android, IP65, ...



INFORMAČNÍ KIOSKY

interiérové, venkovní, ...



MEDICÍNSKÁ TECHNIKA

počítače, tablety, LCD, klávesnice, ...



SOFTWAREVÁ ŘEŠENÍ

pro výrobu, zaměstnance, kiosky, ...



PŘEJÍT DO E-SHOPU

eshop.autocont-ipc.cz



DOPRAVA ZDARMA

Doprava zdarma v ČR a SR při objednávce nad 10 000 Kč bez DPH nebo nad 400 EUR.



PRODLOUŽENÁ ZÁRUKA

Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



ODMĚNA ZA VĚRNOST

Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.