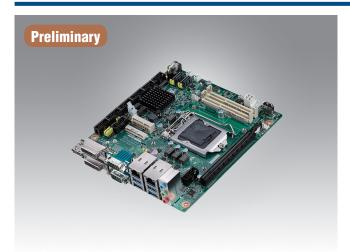


Intel® Core™ i7/i5/i3 LGA 1150 Mini-ITX with Dual DVI/DP++/LVDS, 6 COM, Dual LAN, PCIe x16, 12VDC or ATX



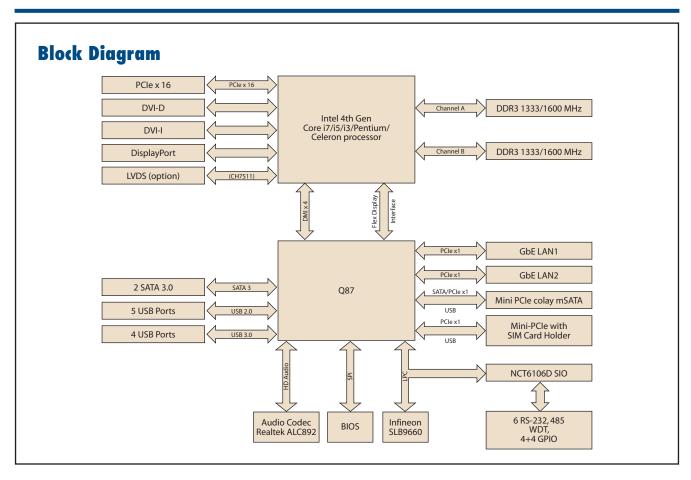
Features

- Supports Intel® 4th Gen Core™ i processor (LGA1150)
- Two 204-pin SO-DIMM up to 16 GB DDR3 1333/1600 MHz SDRAM
- Supports triple display of DVI-D/DVI-I/DP/LVDS
- Supports PCIe x16 (Gen 3) and two mini-PCIe
- Gaming compliant BIOS module
- 6 COM ports



Specifications

	CPU	i7-4790S	i7-4770S	i7-4770TE	i5-4590S/ 4590T	i5-4570S	i5-4570TE	i3-4360/ 4350T/ 4340TE	i3-4330	i3-4330TE	Pentium G3420	Pentium G3320TE		
	Core Number	4	4	4	4/4	4	2	2/2/2	2	2	2	2		
	Max Speed	3.2GHz	3.1 GHz	2.3 GHz	3.0/2.0 GHz	2.9 GHz	2.7 GHz	3.7/3.1/	3.5 GHz	2.4 GHz	3.2 GHz	2.3 GHz		
Processor System	L3 Cache	8M	8M	8M	6M/6M	6M	4M	2.6 GHz 4M/ 4M/ 4M	4M	4M	3M	3M		
								54W/ 35W/						
	TDP (W)	65W	65W	45W	65W/35W	65W	35W	35W	54W	35W	54W	35W		
	Chipset	Q87	MUL ODI											
	BIOS PCI	AMI EFI 128	MIDIT SPI											
F Ol .	Mini-PCle 2, Top side x 2 support mini-PCle/mSATA,													
Expansion Slot	SIM card	Rear side x 1 SIM card holder												
	PCle x16 (Gen3)													
Mamanu	Technology May Copposity													
Memory	Max. Capacity Socket	16 GB/ 8 GB per SO-DIMM 2 x 204 PIN DDR3 SO-DIMM (Non-ECC)												
	Controller			4.0 and OpenCL	1.2									
	VRAM						mum video memo	ry						
0 11	VGA	Yes, supports max. resolution 1920 x 1200 @ 60 Hz, via DVI-I port												
Graphics	DVI-D Display Port 1.2	Yes, two ports supports max. resolution 1920 x 1200 @ 60Hz												
	LVDS	1.2 Yes, supports max. resolution 3840 x 2160 @ 60 Hz Option, Supports dual channel 48-bit up to 1920 x 1200												
	Opinoli, outpuris cual institute of the State of the Stat													
	Interface	10/100/1000	- 1											
Ethernet	Controller													
	Connector RJ-45 x 2 Max Data Transfer Rate 600 MB/s (SATA 3.0)													
SATA	Channel	2, Option for	,											
	DVI-I	1												
	DVI-D													
Rear I/O	Display Port 1.2 Ethernet	2												
rical I/O	USB	_	0 (BIOS – can dis	able bootable US	B)									
	Audio			(L,R), Line-in(L,F	,									
	Serial	2 (RS-232 ful	ll signal, support	9 bit data)										
	USB			ports each), 1x v			USB dongle							
	Serial 4 (2 RS-232 (TX/RX/CTS/RTS), 1 RS-232 (full signal), 1 RS232/RS485)) SATA 2 (SATA 3.0), 2x SATA power 2 pin header													
	Mini-PCle			A & 1 half size b	oth with USB)									
Internal Connector	SIM card	1 on rear side	9		ĺ									
Internal Connector	LPC	1 pin header												
	Audio	1 header –, li 1 header	ne out (L, R), mid	in, line in (L, R)										
	LVDS (option) DC Power		neader nlus 4 nin	ATX control signa	al header									
	GPI0		s, 4 outputs @4r		ai rioddoi									
Watchdog Timer	Output	System reset	•	,										
	Interval		le 1 ~ 255 sec/mi	n										
Security Power	TPM (standard)		9660 (soldered)											
Requirements	Input power	12 VDC singl	le rail, or ATX											
Environment	Temperature	Operating: 0	~ 60° C (32 ~ 14	o° F), depends on	CPU speed and	cooler solution		Non-Operating	: -40 ~ 85° C (-40 ~ 185° F)				
Physical Characteristics	Dimensions	"Modified Mi	ni-ITX" - 170 mn	x 185 mm (6.69	" x 7.28"). Standa	rd width, mount	ing holes, I/O plate	e and slot location	ns. Extended ler	ngth.				



Ordering Information

P/N	Chipset	DP	DVI-I	DVI-D	LVDS	GbE LAN	COM	SATA	USB 3.0/2.0	MiniPCle	TPM	PClex16
DPX-E250	Q87	1	1	1	(1)	2	6	2	4/6	2	1	1

^{*()} BOM options available

Optional Chassis

	B
Part Number	Description
AIMB-B2000-15ZE	Mini-ITX chassis with 150W power supply

I/O View



Optional Accessories

Part Number	Description
1703100121	USB cable with two ports, 12 cm
1703100261	USB cable with two ports, 26 cm
1703100350	USB cable with two ports, 34.5 cm
1703060191	KB/MS cable 1*6P-2.0/M-DIN 6P(F)*2, 19cm
1960053207N001	LGA1150 CPU cooler for CPU TDP 65W
1960060732N001	LGA1150 CPU cooler for CPU TDP 45W

Embedded OS

OS/API	Part No.	Description
WES7	2070012179	WES7E AIMB-274 x86 V5.1.6 Eng/Jpn/ Cht/Chn
WES8	2070012425	WES8E AIMB-274 x86 V6.0.0 Eng