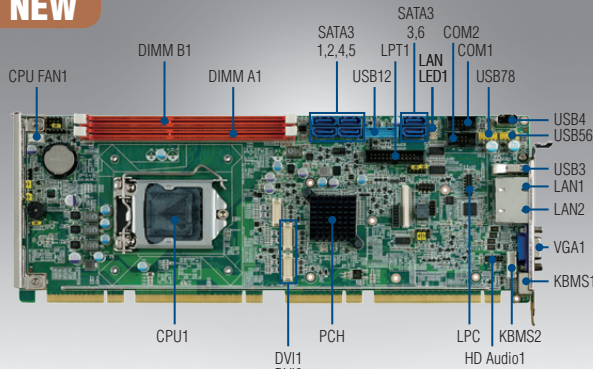


PCE-5128

LGA1150 Intel® Core™i7/i5/i3/Pentium® SHB
DDR3/SATA 3.0/USB3.0/Dual GbE /3 Displays

NEW



Features

- Supports Intel® Core™ i7/i5/i3 LGA1150 processors with Q87
- Dual Channel (Non-ECC) DDR3 1333/1600 up to 16 GB
- Supports PCIE 3.0, USB 3.0, SATA3.0, SW Raid 0, 1, 5, 10
- Supports CRT and 2 x DVI-D(optional) display
- Supports out-of-band remote management with AMT9.0
- Supports Advantech TPM module (LPC I/O)
- Supports SUSIAccess and Embedded Software APIs

Software APIs:



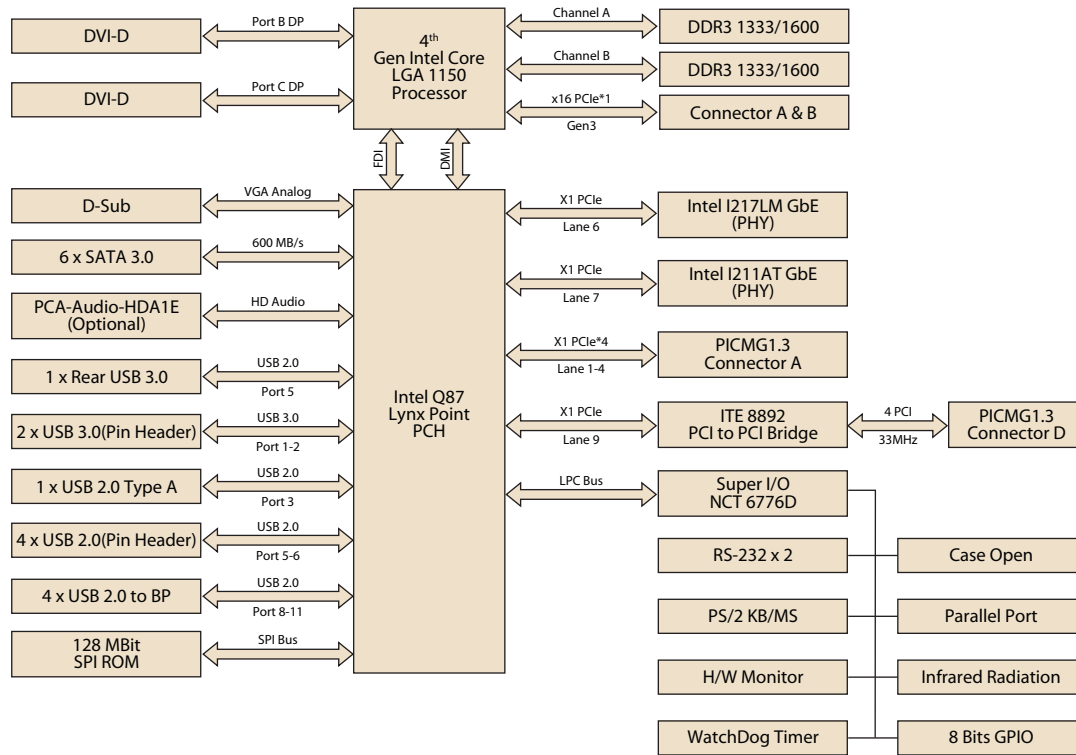
Utilities:



Specifications

Processor System	CPU	i7-4770S	i7-4770TE	i5-4570S	i5-4570TE	i3-4330	i3-4330TE	G4320	G4320TE	
	Base Frequency	3.1GHz	2.3GHz	2.9GHz	2.7GHz	3.5GHz	2.4GHz	3.2GHz	2.3GHz	
	L3 Cache	8MB	8M	6MB	4MB	3MB	3MB	3MB	3MB	
	SKU/Chipset	Intel Q87								
	BIOS	AMI 128Mbit SPI Flash								
Bus	PCI-Express	One x16 plus four x1 to backplane								
	PCI	Four 32-bit 33 MHz PCI Masters to backplane								
Memory	Technology	Dual channel (Non-ECC) DDR3 1333/1600								
	Max. Cap.	16 GB (8 GB per DIMM)								
	Socket	DDR3 240-pin DIMM x 2								
Graphics	Controller	Chipset integrated Intel HD Graphics								
	VRAM	Shared system memory is subject to OS								
	CRT	Supports resolution up to 2048 x 1536 pixel at 60MHz								
	DVI-D	Supports resolution up to 1920 x 1200 pixel at 60MHz								
Ethernet	Interface	10/100/1000 Mbps								
	Controller	LAN 1: Intel I217LM LAN 2: Intel I211AT								
	Connector with LED	RJ-45 x 2								
SATA	S/W Raid 0, 1, 5, 10	SATA 3.0 x 6 (600 MB/sec)								
Rear I/O	USB 3.0	1								
	Ethernet	2								
	VGA	1								
	PS/2	1 (PS/2 Y cable supports 1 x keyboard and 1 x mouse)								
Internal Connector	USB	Night USB2.0 (Pin-header*4+USB Type A*1+ 4 on backplane); Two USB3.0 (Pin header)								
	SATA	6								
	DVI-D	2 (Pin header)								
	COM	2								
	Parallel	1								
	IrDA	1								
	GPIO	8-bit								
Watchdog Timer	Output	System reset								
	Interval	Programmable 1-255 sec								
Miscellaneous	Audio	Intel High Definition audio interface (required an audio extension module P/N: PCA-AUDIO-HDA1E)								
Power Requirement	Test Environment	Core i7-4770S DDR3 1600 8GB x 2								
	Voltage	+12V	+5V	+3.3V	+5Vsb	-12V	-5V			
	Current	4.02A	1.36A	0.81A	0.09A	0A	0A			
Environment	Temperature/Humidity	Operating				Non-operating				
		0 ~ 60° C(32~140° F); Depends on CPU frequency and cooler solution				-40 ~ 85°C and 60° C @ 95% RH Non-Condensing				
Physical	Dimensions	Operating humidity: 40° C @ 85% RH Non-Condensing								
		338 mm (L) x 122 mm (W) (13.3" x 4.8")								

Block Diagram



Ordering Information

Part Number	PCH	Memory	Backplane	LAN	VGA	DVI-D	COM	SATA III	USB 2.0	USB 3.0	S/W Raid	AMT
PCE-5128G2-00A1E	Q87	Non-ECC	PCE-5BXX	2	Yes	2*	2	6	10	3	Yes	Yes

Note: DVI-D cable is optional

Optional Accessories

Part Number	Description
1960047831N001	PCE-5128 optimized CPU Cooler (2U)
PCA-AUDIO-HDA1E	Audio module
PCA-TPM-00A1E	TPM module(Trust Platform management)
1700020277-01	2 ports USB 3.0 cable W/ BKT(30cm)
1700021831-01	DP to DVI-D cable w/ BKT

Packing List

Part Number	Description	Quantity
1700003194	Serial ATA HDD data cable	x2
1703150102	Serial ATA HDD power cable	x2
1701260305	COM + printer ports cable kit	x1
1700060202	Keyboard and mouse Y-cable	x1
1700008461	4-port USB cable kit	x1
9689000068	Jumper package	x1
2190000902	Warranty Card	x1
2006512800	Startup manual	x1
2066512800	Utility CD	x1

Bracket View



PCE-5128G2-00A1E