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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.

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!



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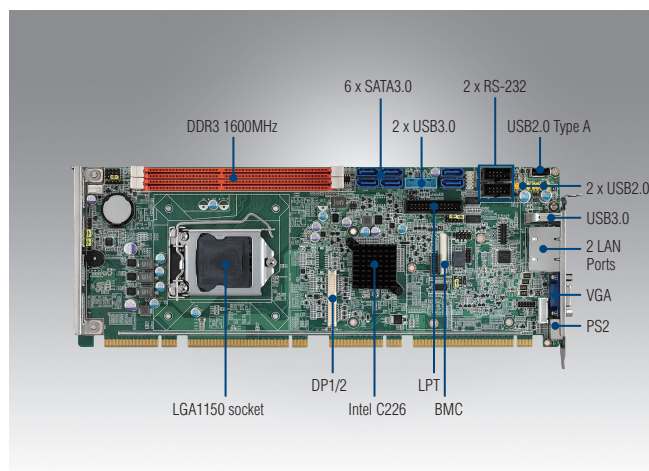
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PCE-7128

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



Features

- Supports Intel® Xeon® E3 1200v3 series, Core™ i7/i5/i3 LGA1150 processors with C226
- Dual Channel (ECC/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 DP/DVI-D (optional) display
- Supports out-of-band remote management with AMT9.0 and IPMI
- Supports Advantech TPM module (LPC I/O)
- Supports SUSIAccess and Embedded Software APIs

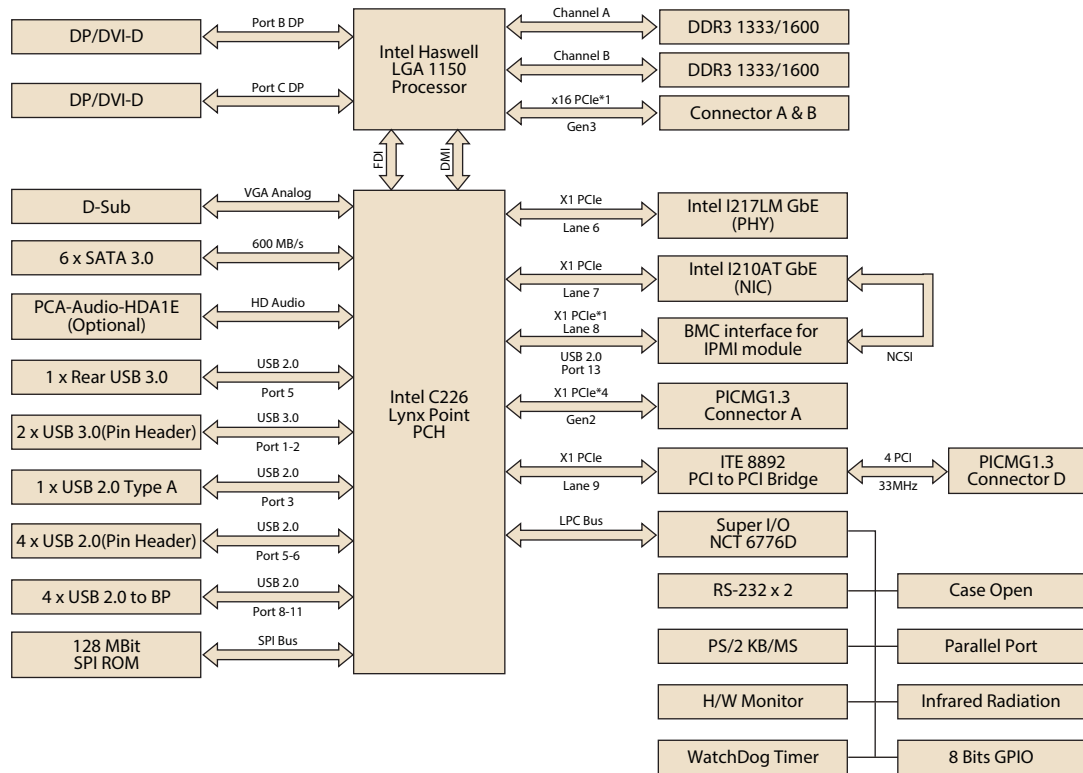
Quiet

CE FCC

Specifications

Processor System		Haswell refresh CPUs are supported from BIOS V2.xx										
CPU		i7-4790S	i5-4590S	i5-4590T	i3-4360	i3-4350T	i3-4340TE					
Base Frequency		3.2GHz	3.0GHz	2.0GHz	3.7GHz	3.1GHz	2.6GHz					
L3 Cache		8MB	6MB	6MB	4MB	4MB	4MB					
Processor System		Haswell CPUs are supported by both BIOS V1.xx and V2.xx										
CPU		E3-1275v3	E3-1225v3	E3-1268v3	i7-4770S	i7-4770TE	i5-4570S	i5-4570TE	i3-4330	i3-4330TE	G4320	G4320TE
Base Frequency		3.5GHz	3.2GHz	2.3GHz	3.1GHz	2.3GHz	2.9GHz	2.7GHz	3.5GHz	2.4GHz	3.2GHz	2.3GHz
L3 Cache		8MB	8MB	8MB	8MB	8M	6MB	4MB	3M	3M	3MB	3MB
ECC Memory Supported		Yes	Yes	Yes	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes
SKU/Chipset		Intel C226										
BIOS		AMI 128Mbit SPI Flash										
Bus		PCI-Express One x16 or Two x8 plus four x1 to backplane										
PCI		Four 32-bit 33 MHz PCI Masters to backplane										
Memory		Technology Dual channel (ECC/Non-ECC) DDR3 1333/1600 UDIMM (Note: Please select Intel ECC supported processor to enable ECC function)										
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 1920 x 2000 pixel at 60Hz										
DVI-D		Supports resolution up to 1920 x 1200 pixel at 60Hz										
Triple Display		CRT+DP/DVI-D+DP/DVI-D										
Ethernet		Interface 10/100/1000 Mbps										
Controller		LAN 1: Intel I217LM LAN 2: Intel I210AT										
Connector with LED		RJ45 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										
		DP/DVI-D 2 (Pin header)										
		COM 2										
		Parallel 1										
		IrDA 1										
		GPIO 8bit										
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)										
Test environment		Core i7-4770S DDR3 1600 8GB x 2										
Power Requirement		Voltage					Current					
		+12V		+5V		+3.3V		+5Vsb		-12V		-5V
		4.02A		1.36A		0.81A		0.09A		0A		0A
Environment		Operating					Non-operating					
Temperature/Humidity		0 ~ 60° C (32-140° F); Depends on CPU frequency and cooler solution					-40 ~ 85° C and 60° C @ 95% RH Non-Condensing					
		Operating humidity: 40° C @ 85% RH Non-Condensing										
Physical		Dimensions 338 mm (L) x 122 mm (W) (13.3" x 4.8")										

Block Diagram



Ordering Information

Part Number	PCH	Memory	Backplane	LAN	VGA	DP/ DVI-D	COM	SATA III	USB 2.0	USB 3.0	S/W Raid	AMT	IPMI
PCE-7128G2-00A1E	C226	ECC	PCE-5BXX PCE-7BXX	2	Yes	2*	2	6	10	3	Yes	Yes	Yes

Note: Both DP and DVI-D cable are optional.

Packing List

Part Number	Description	Quantity
1700003194	Serial ATA HDD data cable	x2
1700022749-11	Serial ATA HDD power cable	x1
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
2066512802	Utility CD	x1

Optional Accessories

Part Number	Description
1960047831N001	PCE-7128 optimized CPU Cooler (2U)
PCA-AUDIO-HDA1E	Audio module
PCA-TPM-00A1E	TPM module (Trust Platform management)
PCA-COM232-00A1E	4 Ports RS-232 Module by LPC
PCA-COM485-00A1E	4 Ports RS-485/422 Module by LPC
IPMI-1000-00A1E	IPMI2.0 module(Remote control management)
1700020277-01	2 ports USB 3.0 cable w/ BKT(30cm)
1700021831-01	DP to DVI-D cable w/ BKT
PCE-DP10-00A1E	DP to DP cable w/ BKT

I/O View



PCE-7128G2-00A1E