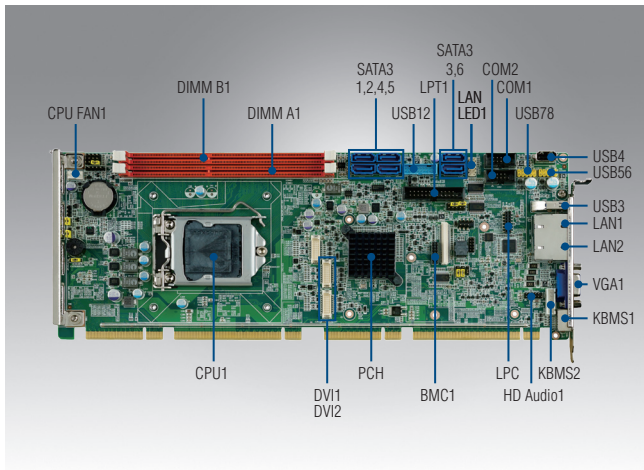


PCE-7128

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 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

Software APIs:



Watchdog



H/W Monitor



GPIO

Utilities:



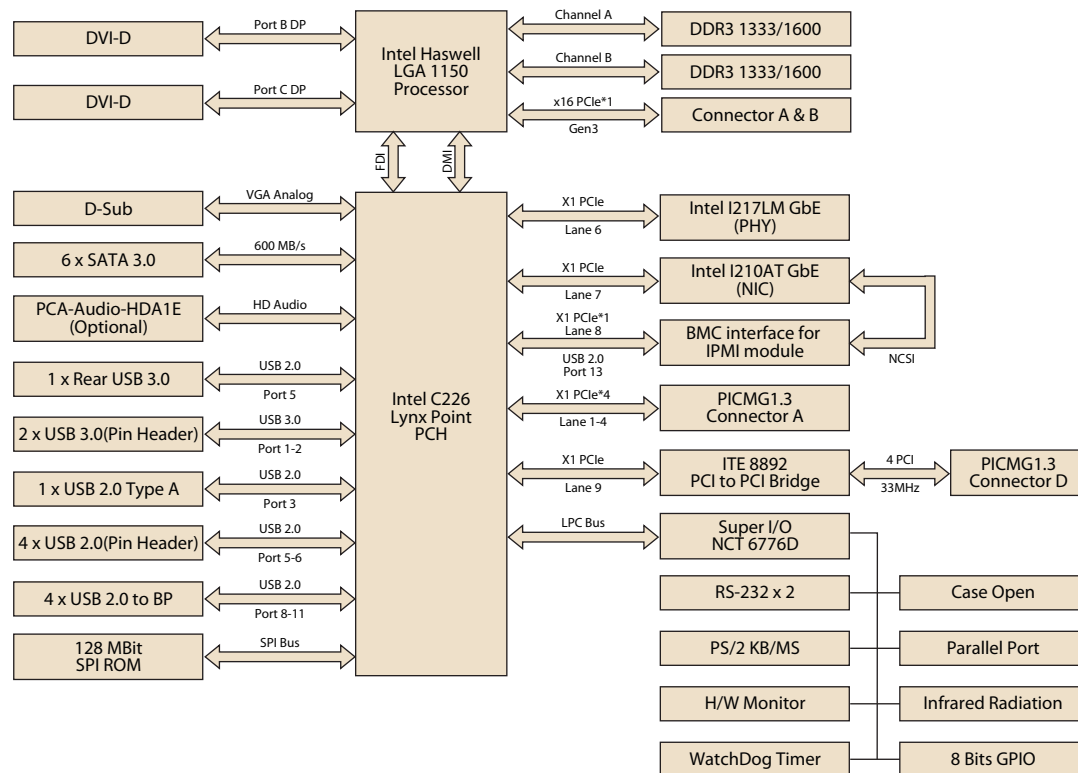
Monitoring



Specifications

Processor System	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										
Bus	BIOS	AMI 128Mbit SPI Flash										
	PCI-Express	One x16 plus four x1 to backplane										
Memory	PCI	Four 32-bit 33 MHz PCI Masters to backplane										
	Technology	Dual channel (ECC/Non-ECC) DDR3 1333/1600 (Note: Please select Intel ECC supported processor to enable ECC function)										
	Max. Cap.	16 GB (8 GB per DIMM)										
Graphics	Socket	DDR3 240-pin DIMM x 2										
	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	Triple Display	CRT+DVI-D+ DVI-D										
	Interface	10/100/1000 Mbps										
	Controller	LAN 1: Intel I217LM LAN 2: Intel I210AT										
SATA	Connector with LED	RJ45 x 2										
	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	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)										
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	Operating	Non-operating										
	Temperature/Humidity	0 ~ 60° C(32~140° F); Depends on CPU frequency and cooler solution 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	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: DVI-D cable is optional

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)
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

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-7128G2-00A1E