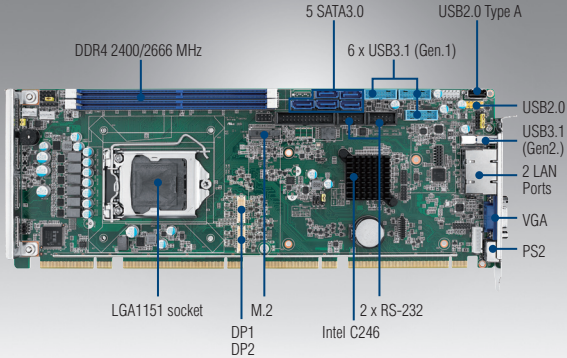


PCE-7131

LGA1151 8th and 9th Generation Intel® Xeon® E/Core™ i7/i5/i3/Pentium® LGA1151 System Host Board with DDR4, SATA 3.0, USB 3.1, M.2, Dual GbE, and Triple Displays



Features

- Intel® Xeon® E Family/Core™ i7/i5/i3 LGA1151 processor with C246 chipset
- Up to 64 GB of dual-channel (non-ECC) DDR4 2400/2666 MHz
- PCIe 3.0, M.2, USB 3.1, SATA 3.0, and SW Raid 0, 1, 5, 10
- Supports VGA and 2 x DVI-D/DP display (with optional cable)
- Supports out-of-band remote management with AMT
- Supports Advantech's LPC modules, SUSIAccess, and embedded software APIs

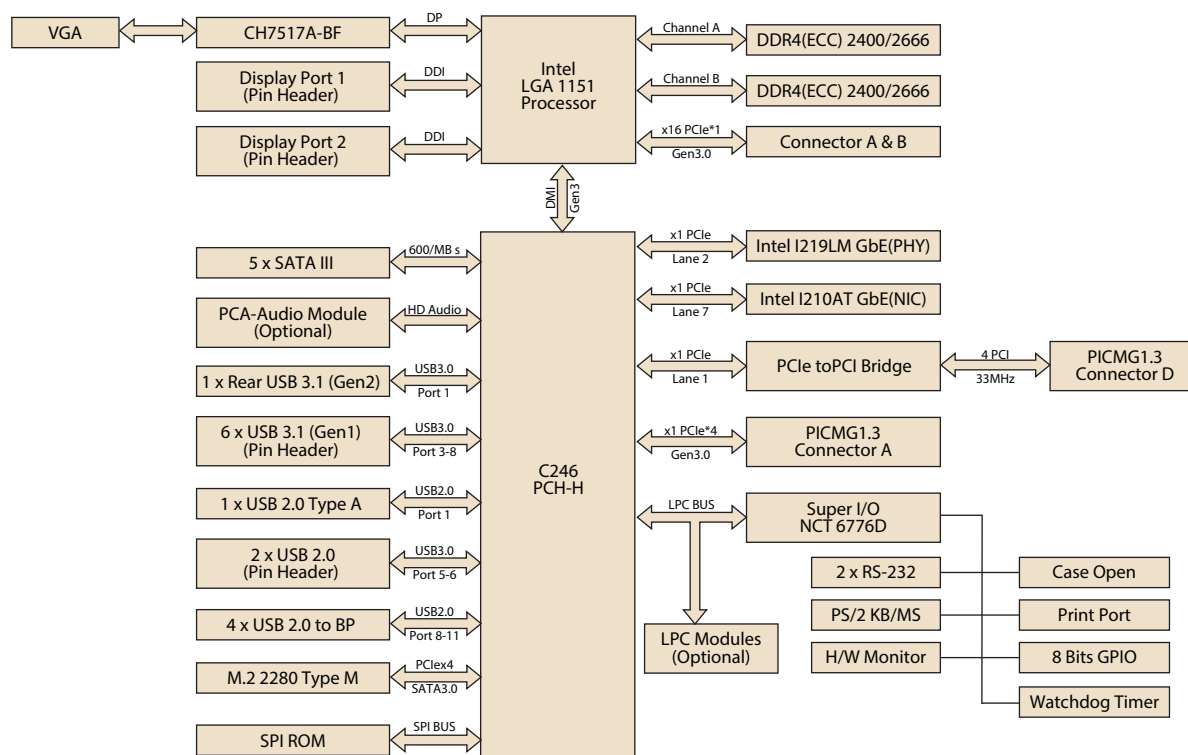
Note: Intel 8th and 9th generation processors only support Windows 10 (64-bit) (RS5 version)

Quiet Specifications

CE FCC

Processor System	CPU	i7-9700E	i7-9700TE	i7-8700	i7-8700T	i5-9500E	i5-9500TE	i5-8500	i5-8500T	i3-9100E	i3-9100TE	i3-8100	i3-8100T	G5400	G5400T	G4900	G4900T	Xeon E-2278GE	Xeon E-2278GEL	Xeon E-2226GE	Xeon E-2176G	Xeon E-2124G
		2.6GHz	1.8 GHz	3.2 GHz	2.4 GHz	3.0 GHz	2.2 GHz	3.0 GHz	2.1 GHz	3.1 GHz	2.2 GHz	3.6 GHz	3.1 GHz	3.7 GHz	3.1 GHz	3.1 GHz	2.9 GHz	3.3 GHz	2.0 GHz	3.4 GHz	3.7 GHz	3.4 GHz
L3 Cache	Cores	12 MB	12 MB	12 MB	12 MB	9 MB	9 MB	9 MB	9 MB	6 MB	6 MB	6 MB	6 MB	4 MB	4 MB	2 MB	2 MB	16M	16M	12M	12M	8M
		8	8	6	6	6	6	6	6	4	4	4	4	2	2	2	2	8	8	6	6	4
TDP	SKU/Chipset	65 W	35 W	65 W	35 W	65 W	35 W	65 W	35 W	65 W	35 W	65 W	35 W	58 W	35 W	54 W	35 W	80W	35W	80W	80W	71W
		Intel® C246																				
BIOS	PCI-Express	AMI® SPI Flash 256 Mbit																				
		1 x PCIe x16/2 x PCIe x8 and 1 x PCIe x4 to backplane																				
PCI	Technology	4 x PCI master to backplane, 32-bit, 33 MHz																				
		Dual-channel (non-ECC) U-DIMM DDR4 2400/2666 MHz (supports x8 DDR4 1024 M) (Note: Intel ECC-supported processor must be selected to enable ECC function)																				
Max. Capacity	Socket	up to 64GB (based on CPU)																				
		2 x DDR4 288-pin DIMM																				
Controller	VRAM	Chipset integrated with Intel® HD Graphics																				
		Shared system memory is subject to OS																				
VGA	DVI-D	Supports resolutions of up to 1920 x 1200 pixel @ 60 MHz																				
		Supports resolutions of up to 1920 x 1200 pixel @ 60 MHz																				
Display Port	Triple Display	Supports resolutions of up to 1920 x 1080 pixel @ 60 Hz																				
		VGA+DP/DVI-D+DP/DVI-D																				
Interface	Controller	10/100/1000 Mbps																				
		LAN 1: Intel® I219-LM LAN 2: Intel® I210-AT																				
Connector with LED	USB 3.1 Gen2	2 x RJ45																				
		1																				
Ethernet	Ethernet	2																				
		1																				
Rear I/O	VGA	1 (PS/2 Y cable supports 1 x keyboard and 1 x mouse)																				
		1																				
Internal Connector	USB	7 x USB 2.0 (pin header*2 + USB Type A*1 + 4 on backplane) 4 x USB 3.0 (pin header)																				
		5																				
SATA (SW Raid 0,1,5,10)	M.2 (2280 Type M)	1 (support SATA3.0 and PCIe interface)																				
		2 (Pin header)																				
COM	IrDA	2																				
		1																				
GPIO	Output	8bit																				
		System reset																				
Watchdog Timer	Interval	Programmable 1-255 sec																				
		Intel® High Definition audio interface (requires audio extension module PCA-AUDIO-HDB1E)																				
Miscellaneous	Audio	Test Environment	i7-8700, 3.2 GHz, with 2 x 8-GB DDR4 2400																			
		Voltage	+12V																			
Current	Operating	4.30A																				
		2.15A																				
Non-Operating	Temperature	0 ~ 60 °C (dependent on CPU and cooler solution)																				
		Humidity	40 °C @ 85% relative humidity (non-condensing)																			
Physical	Dimensions (L x H)	338 x 122 mm (13.3" x 4.8")																				

Block Diagram



Ordering Information

Part Number	PCH	Memory	Backplane	LAN	VGA	DP/DVI-D	COM	SATA III	M.2	USB 2.0	USB 3.1 (Gen1)	USB3.1 (Gen2)	S/W Raid	AMT
PCE-7131G2-00A3	C246	ECC/Non-ECC	PCE-5BXX PCE-7BXX	2	Yes	2*	2	5	1	7	6	1	Yes	Yes

Note: DP/DVI-D cable is optional

Packing List

Part Number	Description	Quantity
1700003194	Serial ATA HDD data cable	x2
1700060202	Keyboard and mouse Y-cable	x1
1701090401	1-port COM cable kit	x1
1700002204	2-port USB 2.0 cable kit	x1
2190000902	Warranty card	x1
2001512910	Startup manual	x1

Optional Accessories

Part Number	Description
1960049408N001	CPU heat sink for 1U Chassis and 35W TDP
1960050255N001	CPU cooler for 2U Chassis and 95W TDP
1960052651N021	CPU cooler for 2U/4U Chassis and 80W TDP
1700002204	2-port USB 2.0 cable kit
1700028292-01	2-port USB 3.0 cable w/ BKT (30 cm)
1700031719-01	4-port USB 3.0 cable kit
1701090401	1-port COM cable kit
1701092300	2-port COM cable kit
PCE-DP10-00A1E	DP to DP cable kit
1700021831-01	DP to DVI-D cable kit
PCA-TPM-00B1E	TPM 2.0 module
PCA-AUDIO-HDB1E	Audio module
PCA-COM232-00A2	4-port RS-232 module via LPC interface
PCA-COM485-00A1E	4-port RS-422/485 module via LPC interface

I/O View



PCE-7131G2-00A3

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



AutoCont IPC a.s.

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

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



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