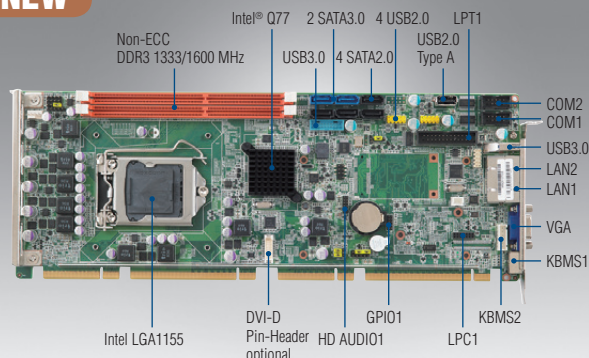


NEW



Features

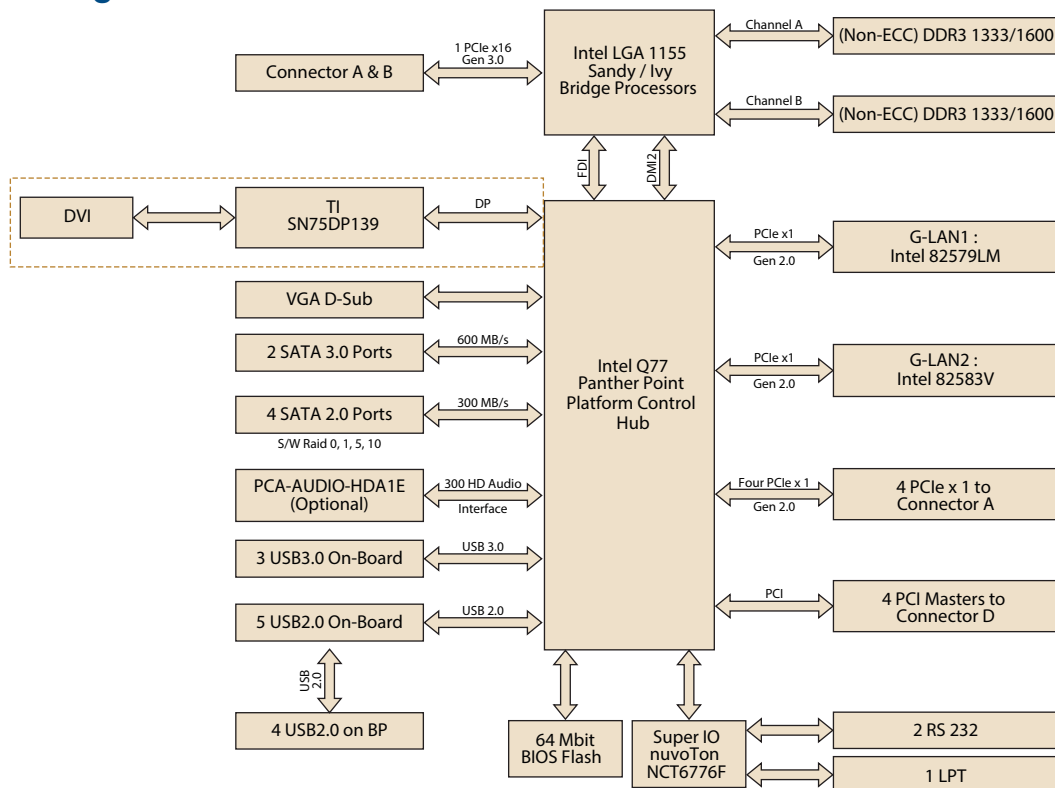
- LGA1155 Intel® Core™ i7/i5/i3 and Pentium® processors
- Dual Channel (Non-ECC) DDR3 1333/1600 up to 16 GB
- Supports USB3.0, SATA3.0, SW Raid 0, 1, 5, 10
- Out-of-band remote management with iAMT8.0 and TPM 1.2 (optional)
- Supports embedded software APIs and utilities

CPU-49 Specifications



Processor System	CPU	Core i3-3220					
	Base Frequency	3.3 GHz					
	L3 Cache	3 MB					
	SKU/Chipset	Intel Q77					
	BIOS	AMI 64Mbit 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					
	Video Output	15 Pin VGA D-sub Connector x1/DVI-D connector x1 (Pin Header)					
Ethernet	Interface	10/100/1000 Mbps					
	Controller	LAN 1: Intel 82579LM LAN 2: Intel 82583V					
	Connector with LED	RJ45 x 2					
SATA	S/W Raid 0, 1, 5, 10	SATA 2.0 x 4 (300 MB/sec) SATA 3.0 x 2 (600 MB/sec)					
I/O Interface	USB	Nine USB2.0 (Pin-header*4+USB Type A*1+ 4 on backplane); Three USB3.0 (Pin-Header*2+Rear*1)					
	Serial	2 x RS-232 Pin-Header					
	Parallel	1 (SPP/EPP/ECP)					
	PS/2	1 (Y cable for mouse and keyboard is included in the package)					
Watchdog Timer	Output	System reset					
	Interval	Programmable 1-255 sec					
Miscellaneous	Audio	Intel High Definition audio interface (required an audio extension module)					
Power Requirement	Test environment	Core i7-3770 3.4GHz+DDR3 1333 4G X 2					
	Voltage	+12 V	+5 V	+3.3 V	+5 VSB	-12 V	-5 V
	Current	5.37 A	0.98 A	1.44 A	0.42 A	0.01 A	0 A
Environment	Ambient Temperature	Operating 0 ~ 60° C(32~140° F); Operating humidity: 40° C @ 85% RH Non-Condensing			Non-operating -40 ~ 85° C and 60° C @ 95% RH Non-Condensing		
	Dimensions	338 mm (L) x 122 mm (W) (13.3" x 4.8")					

Block Diagram



Information

Part Number	PCH	Memory		LAN	VGA	DVI	COM	SATA II	SATA III	USB 2.0	USB 3.0	S/W Raid	iAMT
CPU-49	Q77	Non-ECC		2	Yes	Yes*	2	4	2	9	3	Yes	Yes

*Note: 1.Output DVI-D signal only (Required DVI-D cable)

Bracket View

