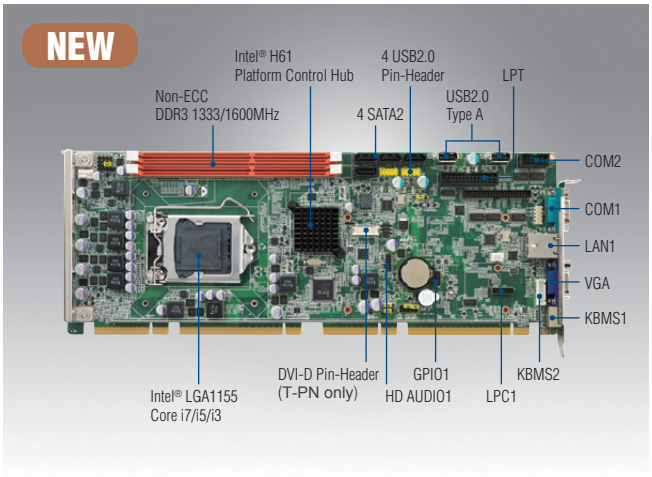
PCE-5026

LGA1155 Intel® Core™ i7/i5/i3 SHB DDR3/SATA 2.0/Single GbE



Features

- LGA1155 Intel® Core™ i7/i5/i3, Pentium® and Celeron® processors
- Dual Channel (Non-ECC) DDR3 1066/1333/1600* up to 16 GB
- Supports 10 USB2.0 and TPM1.2(Optional)
- Supports embedded software APIs and utilities

Software APIs: Watchdog, H/W Monitor, GPIO

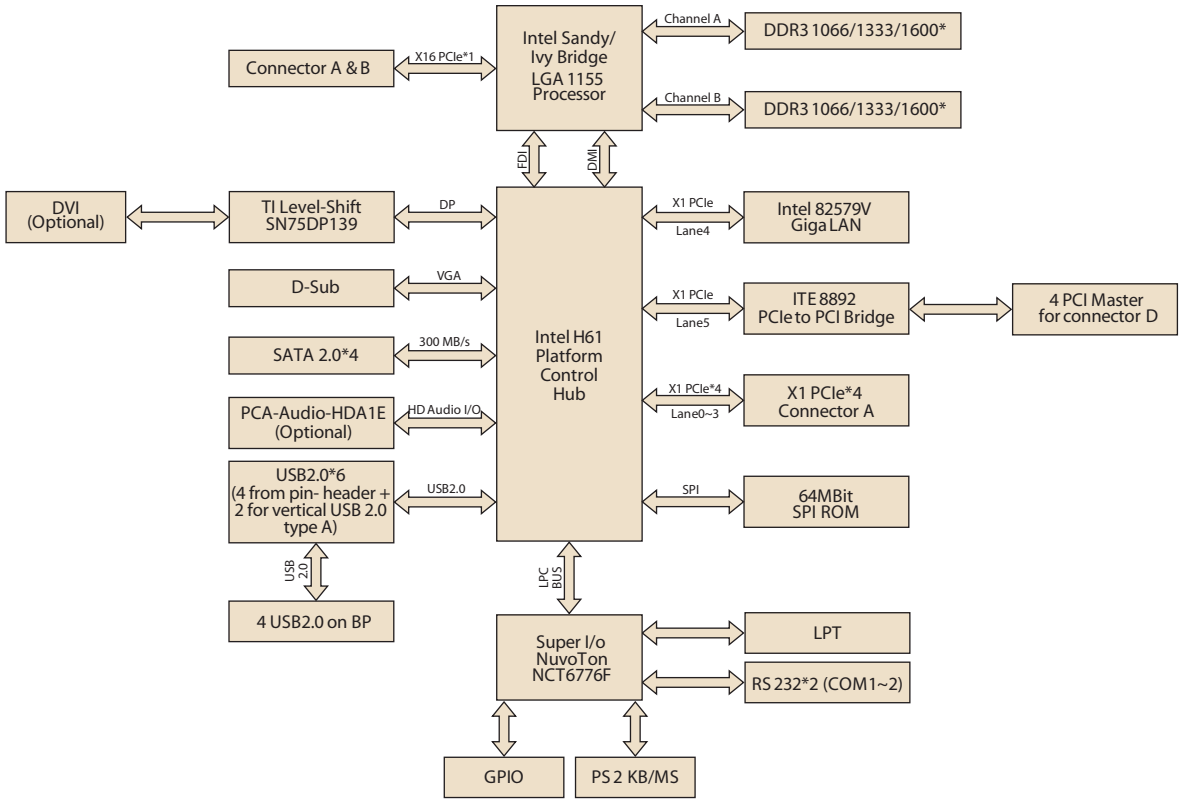
Utilities: Monitoring

Specifications

Processor System	CPU	Core i7-3770	Core i7-2600	Core i5-3550S	Core i5-2400	Core i3-3220	Core i3-2120	Pentium G2120	Pentium G850	Celeron G540
	Base Frequency	3.4 GHz	3.4 GHz	3.0 GHz	3.1 GHz	3.3 GHz	3.3 GHz	3.1 GHz	2.9 GHz	2.5 GHz
	L3 Cache	8 MB	8 MB	6 MB	6 MB	3 MB	3 MB	3 MB	3 MB	2 MB
	Chipset	Intel H61								
	BIOS	AMI 64Mbit SPI Flash								
Bus	PCI Express	One PCIe x16, plus four x1 to backplane								
	PCI	Four 32-bit 33 MHz PCI Masters to Backplane								
Memory	Technology	Dual channel(Non-ECC) DDR3 1066/1333/1600*(depends on CPU Spec.)								
	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 x 1 (TPN optional)								
Ethernet	Interface	10/100/1000 Mbps								
	Controller	Intel 82579V								
	Connector with LED	RJ45 x 1								
SATA	SATA	SATA 2.0 x 4(300MB/sec)								
	Raid	-								
I/O Interface	USB	Ten USB2.0(Pin-header*4+Vertical USB A type*2+ 4 on backplane)								
	Serial	1 x RS-232 Pin-Header; 1 x RS-232 COM port								
	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 P/N: PCA-AUDIO-HDA1E)								
Power Requirement	Test Environment	Core i7-3770 (3.4 GHz) + DDR3 1066 4 GB x 2								
	Voltage	+12 V	+5 V	+3.3 V	+5 VSB	-12 V	-5 V			
	Current	5.92 A	0.9 A	2.01 A	0.22 A	0.02 A	0 A			
Environment	Ambient Temperature	Operating			Non-Operating					
		0 ~ 60° C(32 ~ 140° F); Operating humidity: 40° C @ 85% RH Non-Condensing			-40 ~ 85° C and 60° C @ 95% RH Non-Condensing					
Physical	Dimensions	338 mm (L) x 122 mm (W) (13.3" x 4.8")								

Last updated : 22-Jan-2013

Block Diagram



Ordering Information

Part Number	PCH	Memory	Backplane	LAN	VGA	DVI	COM	SATA II	USB 2.0	SW Raid	iAMT
PCE-5026VG-00A1E	H61	Non-ECC	PCE-5BXX	1	Yes	T-PN only	2	4	10	No	No

Optional Accessories

Part Number	Description
1960047831N001	PCE-5026 Proprietary CPU Cooler (2U)
PCA-AUDIO-HDA1E	Audio extension module
PCA-TPM-00A1E	Trusted Platform Module compliant TCG 1.2

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
2006502610	Startup manual	x1
2066502600	Utility CD	x1

Bracket View

PCE-5026VG-00A1E