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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!



## Contact us

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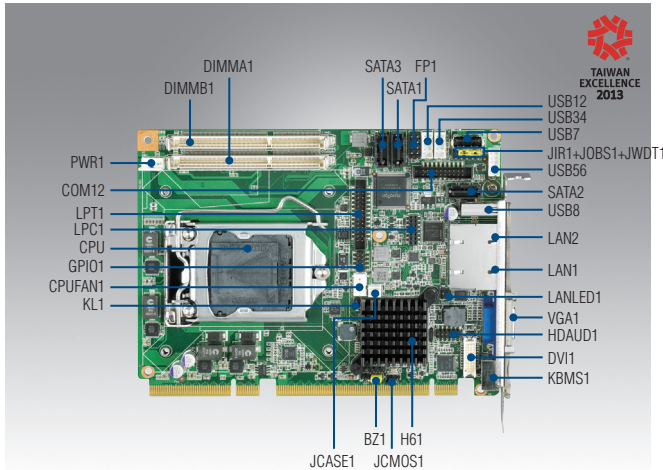
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# PCE-3026

LGA 1155 Intel® Core™ i7/i5/i3 Half-size SHB with PCIe/VGA/DVI/Dual GbE LAN



## Features

- Complies with PICMG 1.3
- Supports LGA 1155 Intel® Core™ i7/i5/i3 processor
- Intel® H61
- Dual channel 1066/1333 MHz SO-DIMM up to 16 GB
- Three SATA 2.0 ports
- Supports dual 10/100/1000 Mbps Ethernet
- Supports one VGA and one DVI

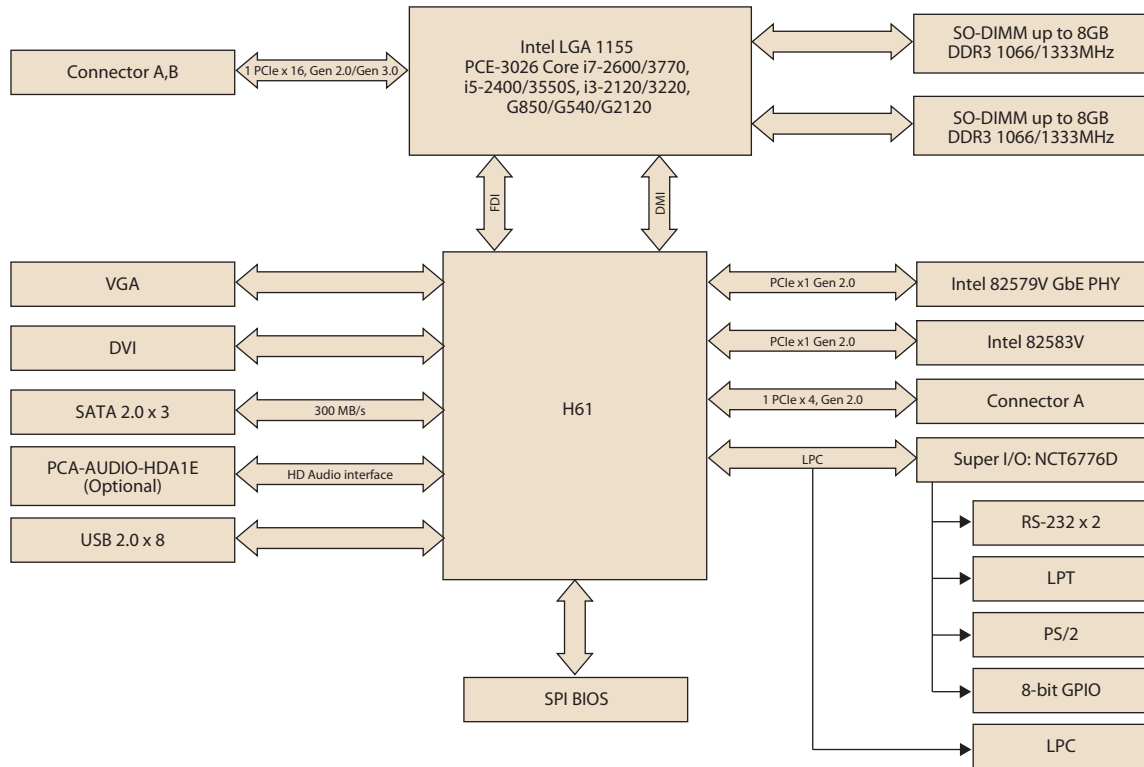
### Software APIs:



## 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	3.0GHz	3.1GHz	3.3GHz	3.3GHz	3.1GHz	2.9GHz	2.5GHz	
	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 64Mb SPI Flash									
BUS	PCI Express	One x16 & four x1 to backplane									
Memory	Technology	Dual channel DDR3 1066/1333 MHz SO-DIMM (Non ECC)									
	Max. Capacity	16 GB (8 GB per DIMM)									
	Socket	204-pin SODIMM x 2									
Graphics	Chipset Integrated	Chipset integrated Intel HD Graphics									
	Video Output	One DB-15 VGA output, One DVI out put									
Ethernet	Interface	10/100/1000 Mbps									
	Controller	GbE LAN1: Intel 82579V GbE PHY, GbE LAN2: Intel 82583V									
	Connector	RJ-45 x 2									
SATA	Max. Data Transfer Rate	300 MB/s (SATA 2.0)									
I/O Interface	USB	8 USB 2.0 480 Mbps (6 onboard, 1 on rear I/O, 1 type A onboard)									
	Serial	2 RS-232, and 4 RS-485 (optional: PCA-COM485-00A1E)									
	Parallel	1 (SPP/EPP/ECP)									
	PS/2	1									
Watchdog Timer	Output	System reset									
	Interval	Programmable 1 ~ 255 sec/ min									
Miscellaneous	Audio Output	HD audio interface (requires an audio extension module P/N: PCA-AUDIO-HDA1E)									
Power Requirement	Test environment	Core i5-2400 (3.1 GHz) + DDR3 1333 4 GB x 2									
	Voltage	+12 V	+5 V	+3.3 V	+5 VSB	-12 V	-5 V				
	Current	3.8 A	1.05 A	1.54 A	0.24 A	0 A	0 A				
Environment	Temperature	Operating				Non-Operating					
		0 ~ 60° C (32 ~ 140° F) (operation humidity: 40° C @ 85% RH Non-Condensing)				-40° C - 85° C and 60° C @ 95% RH Non-Condensing					
Physical Characteristics	Dimensions (W x D)	167.64 mm x 126.39 mm (6.6" x 4.98")									

## Block Diagram



## Ordering Information

Part Number	VGA	DVI	GbE LAN	USB	SATA	COM
PCE-3026G2-00A1E	Yes	1*	Dual	8	3	2 x RS-232 4 x RS-485 (optional)

\* For DVI display, optional DVI cable (1700008822) is required.

## Optional Accessories

Part Number	Description
PCA-AUDIO-HDA1E	Audio extension module with HD audio interface
PCA-TPM-00A1E	Trusted platform module compliant with TCG 1.2
PCA-COM485-00A1E	4 x RS-422/485 module
PCA-COM232-00A1E	4 x RS-232 module
1700008822	DVI cable
1960047831N001	2U CPU cooler for i7-3770, i7-2600, i5-3550S, i5-2400, i3-3220, i3-2120, G2120, G850, G540
1960053207N001	1.5U CPU cooler for i7-2600, i5-3550S, i5-2400, i3-3220, i3-2120, G2120, G850, G540
1960053065N001	1U blower for i3-3220, i3-2120, G2120, G850, G540

## Compatible Backplane and Chassis

Backplane Model	PCI	PCIe x16	PCIe x4	PCIe x1	Compatible Chassis
PCE-3B03-00A1E	-	1	1	-	IPC-3026/ IPC-6806S
PCE-3B06-00A1E	-	1	-	4	IPC-3026/ IPC-6806S
PCE-3B06-03A1E	3	1	-	1	IPC-3026/ IPC-6806S

## Packing List

Part Number	Description	Quantity
1700002223	Printer (parallel) port cable	1
1700003194	Serial ATA HDD data cable	1
1703150102	Serial ATA HDD power cable	1
1700008762	2-port COM cable kit	1
1700014398	4-port USB cable kit	1
1703040100	Power converter	1

## Bracket View



PCE-3026