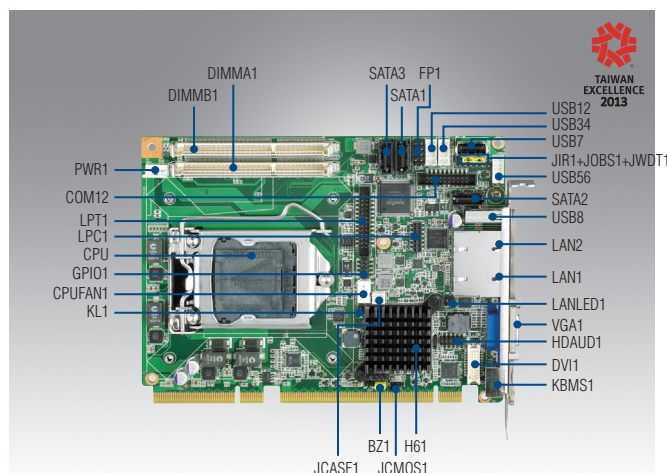


PCE-3026

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

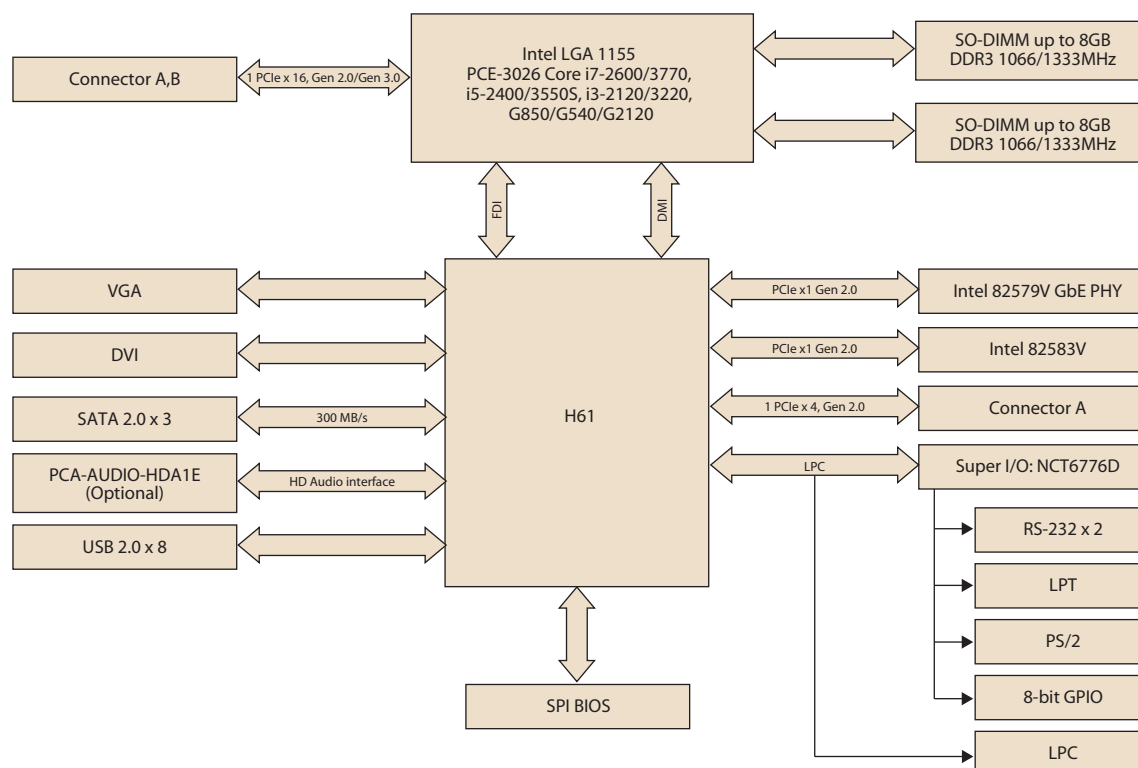
Software APIs:



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		Operating				Non-Operating				
	Temperature	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