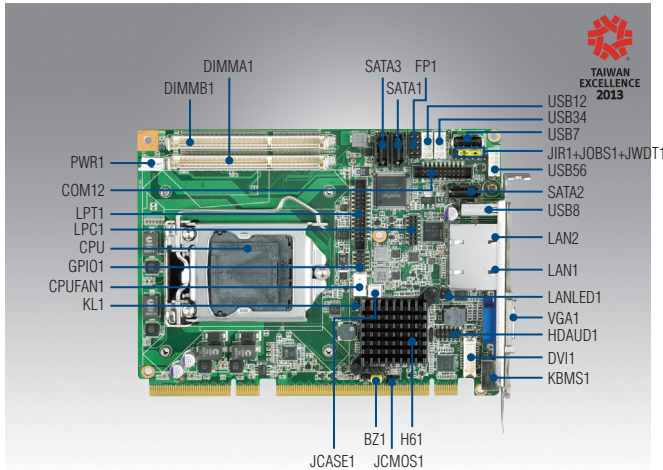


PCE-3026

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

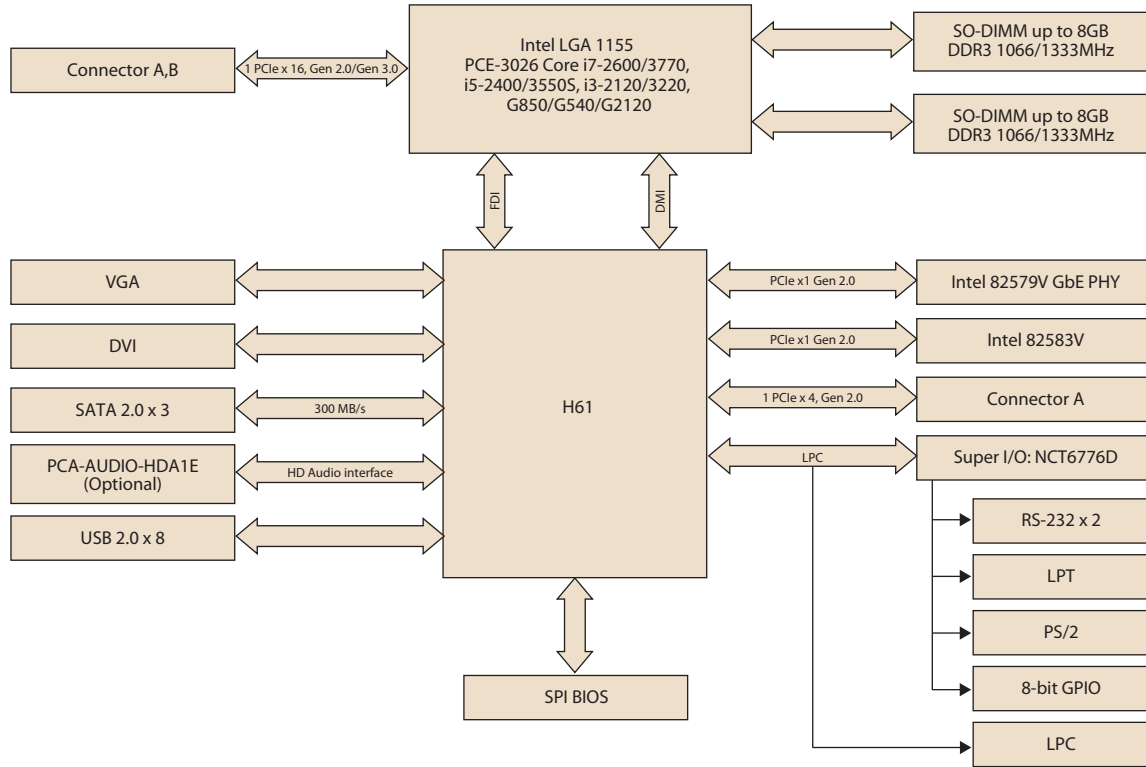
Software APIs:



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