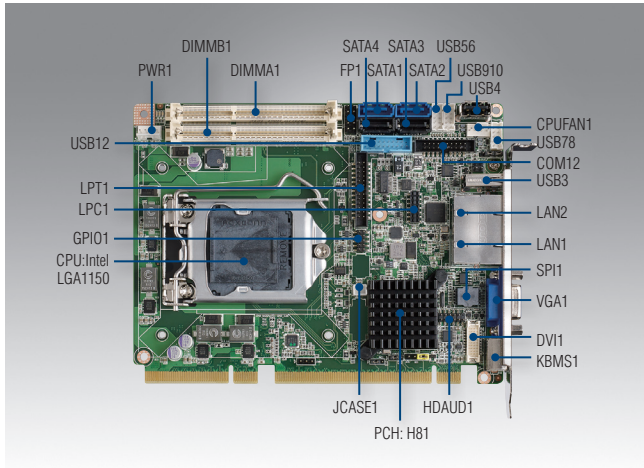


PCE-3028

LGA 1150 4th Generation Intel® Core™ i7/i5/i3 Half-size SHB with PCIe/VGA/DVI/Dual GbE LAN



Features

- Complies with PICMG 1.3
- Supports Intel® Core™ i7/i5/i3 LGA1150 processors with H81
- Dual Channel (Non-ECC) DDR3 1066/1333/1600 up to 16 GB
- Supports USB 3.0, SATA3.0
- Supports CRT and DVI-D (optional) display
- Support dual 10/100/1000 Mbps Ethernet
- Supports Advantech TPM module (LPC I/O)
- Supports SUSIAccess and embedded software APIs

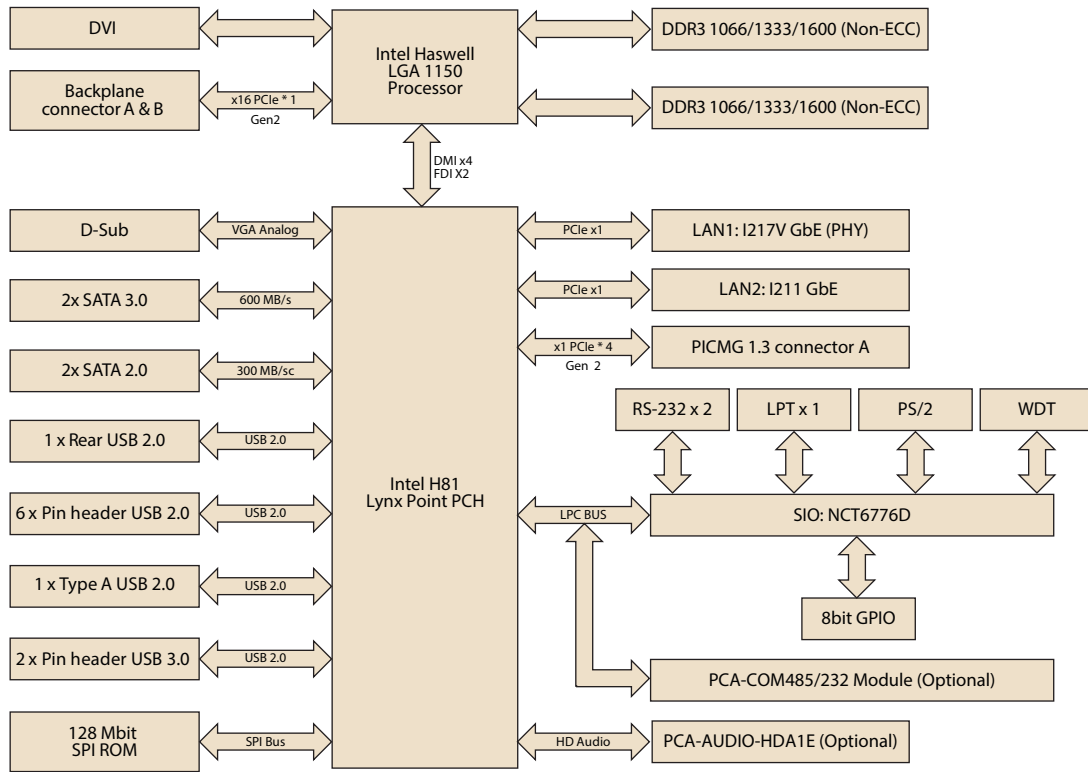
Quiet

CE FCC

Specifications

| | | | | | | | | | | | | | | | | | | |
|--------------------|--------------------------|---|-------|-------|--------|-------|-------|-------|--------|------|-------|---|--------|---------|---------|---------|---------|-----|
| Processor System | CPU | i7- | i7- | i7- | i7- | i5- | i5- | i5- | i5- | i3- | i3- | i3- | i3- | G3420 | G3320TE | G1820 | G1820TE | |
| | Base Frequency | 4790S | 4790T | 4770S | 4770TE | 4590S | 4590T | 4570S | 4570TE | 4360 | 4350T | 4330 | 4330TE | 3.2 GHz | 2.3 GHz | 2.7 GHz | 2.2 GHz | |
| | L3 Cache | 8MB | 8MB | 8MB | 8MB | 6MB | 6MB | 6MB | 6MB | 4MB | 4MB | 4MB | 4MB | 4MB | 3MB | 3MB | 2MB | 2MB |
| | SKU/Chipset | Intel H81 | | | | | | | | | | | | | | | | |
| | BIOS | AMI 128Mbit SPI Flash | | | | | | | | | | | | | | | | |
| Bus | PCI-Express | One x16 plus four x1 to backplane | | | | | | | | | | | | | | | | |
| Memory | Technology | Dual channel (Non-ECC) DDR3 1066/1333/1600 | | | | | | | | | | | | | | | | |
| | Max. Cap. | 16 GB (8 GB per DIMM) | | | | | | | | | | | | | | | | |
| | Socket | DDR3 204-pin SO-DIMM x2 | | | | | | | | | | | | | | | | |
| Graphics | Controller | Chipset integrated Intel GT2 4600 or GT1 HD graphics (Depends on CPU support) | | | | | | | | | | | | | | | | |
| | VRAM | Shared system memory is subject to OS | | | | | | | | | | | | | | | | |
| | CRT | Supports resolution up to 1920 x 1200 pixel at 60Hz | | | | | | | | | | | | | | | | |
| | DVI-D | Supports resolution up to 1920 x 1200 pixel at 60Hz | | | | | | | | | | | | | | | | |
| | Dual Independent Display | VGA+DVI-D | | | | | | | | | | | | | | | | |
| Ethernet | Interface | 10/100/1000 Mbps | | | | | | | | | | | | | | | | |
| | Controller | LAN 1: Intel I217V LAN 2: Intel I211AT | | | | | | | | | | | | | | | | |
| | Connector with LED | RJ-45 x 2 | | | | | | | | | | | | | | | | |
| SATA | Max. Data Transfer Rate | SATA 3.0 x 2 (600 MB/sec), SATA 2.0 x 2 (300 MB/sec) | | | | | | | | | | | | | | | | |
| Rear I/O | USB 2.0 | 1 | | | | | | | | | | | | | | | | |
| | Ethernet | 2 | | | | | | | | | | | | | | | | |
| | VGA | 1 | | | | | | | | | | | | | | | | |
| | PS/2 | 1 (PS/2 Y cable supports 1 x keyboard and 1 x mouse) | | | | | | | | | | | | | | | | |
| Internal Connector | USB | Seven USB 2.0 (Pin-header x 6 + USB Type A x 1); Two USB 3.0 (Pin header) | | | | | | | | | | | | | | | | |
| | SATA | 4 | | | | | | | | | | | | | | | | |
| | DVI-D | 1 | | | | | | | | | | | | | | | | |
| | COM | 2 | | | | | | | | | | | | | | | | |
| | Parallel | 1 | | | | | | | | | | | | | | | | |
| | GPIO | 8-bit | | | | | | | | | | | | | | | | |
| 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 | Intel Core i7-4770S (3.1GHz), DDR3 1600 8GB*2 | | | | | | | | | | | | | | | | |
| | Voltage | 12V | 5V | 3.3V | 5VSB | -5V | -12V | | | | | | | | | | | |
| | Current | 7.26 | 1.06 | 0.42 | 0 | 0 | 0 | | | | | | | | | | | |
| Environment | Temperature/Humidity | Operating | | | | | | | | | | Non-operating | | | | | | |
| | | 0 ~ 60 °C (32-140 °F); Depends on CPU frequency and cooler solution | | | | | | | | | | -40 ~ 85 °C and 60 °C @ 95% RH Non-Condensing | | | | | | |
| Physical | Dimensions (L x H) | 167.64 x 126.39 mm (6.6" x 4.98") | | | | | | | | | | | | | | | | |

Block Diagram



Ordering Information

| Part Number | PCH | Memory | Backplane | LAN | VGA | DVI-D | COM | SATA III | SATA II | USB 2.0 | USB 3.0 | S/W Raid | AMT |
|------------------|-----|---------|-----------|-----|-----|-------|---|----------|---------|---------|---------|----------|-----|
| PCE-3028G2-00A1E | H81 | Non-ECC | PCE-3XXX | 2 | 1 | 1 | RS-232 x 2 onboard Optional RS-422/485 x 4 or RS-232 x 4 via module | 2 | 2 | 8 | 2 | No | No |

Note: DVI-D cable is optional

Packing List

| Part Number | Description | Quantity |
|---------------|-----------------------------|----------|
| 1700003194 | Serial ATA HDD data cable | x1 |
| 1703150102 | Serial ATA HDD power cable | x1 |
| 1700008762 | 2-port COM cable | x1 |
| 1700002223 | 1-port LPT cable | x1 |
| 1700060202 | Keyboard and mouse Y-cable | x1 |
| 1700028292-01 | 2 ports USB 3.0 cable W/BKT | x1 |
| 1700014398 | 4-port USB cable kit | x1 |
| 1703040100 | Power Converter | x1 |
| 9689000002 | Jumper package | x1 |
| 2190000902 | Warranty Card | x1 |
| 2006302800 | Startup manual | x1 |
| 2066302800 | Utility CD | x1 |

Optional Accessories

| Part Number | Description |
|------------------|--|
| PCA-COM485-00A1E | 4 x RS-244/485 module |
| PCA-COM232-00A1E | 4 x RS-232 module |
| PCA-AUDIO-HDA1E | Audio module |
| PCA-TPM-00A1E | TPM module (Trust Platform management) |
| 1700021831-01 | DVI-DVI cable with bracket |
| 1960047831N001 | 2U cooler for Intel Core i7-4770S, i7-4770TE, i5-4570S, i5-4570TE, i3-4330, i3-4330TE, G3420, G3220TE, G1820, G1820TE |
| 1960053207N001 | 1.5 U cooler for Intel Core i7-4770S, i7-4770TE, i5-4570S, i5-4570TE, i3-4330, i3-4330TE, G3420, G3220TE, G1820, G1820TE |
| 1960053065N001 | 1U blower for Intel Core i5-4570S, i5-4570TE, i3-4330, i3-4330TE, G3420, G3220TE, G1820, G1820TE |

I/O View



Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



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